

## **Historic, Archive Document**

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62.73

**Grow**  
**Trees, Evergreens**  
**Shrubs, Perennials**  
**and Fruits *from* Seeds**

FALL - 1926 *and*  
SPRING - 1927

**Conyers B. Fleu, Jr.**

Ross and Montana Streets  
Germantown, Philadelphia  
U. S. A.

# Practical Planting Suggestions

**LOCATION OF SEED BEDS.** Select the position of your seed bed where there is a gentle slope, just enough to permit perfect drainage. For most localities in the United States a Northern or Western aspect is the best. Not only because the vegetation starts later in the spring and is less likely to be injured by frost but also the loss of water through evaporation from the surface soil is not so rapid. It is well to have your beds protected from the heavy east and northeast winds by a woodland, hedge, planting or fence. Do not select narrow alleys or at the base of deep canyons as such positions are subjected to frost damage and the growth is checked by lack of direct sunlight for a large part of the day.

**BEST SOIL FOR SEED BEDS.** Deep and fresh sand loam is the best for your seed beds. Avoid heavy clay as it is difficult and expensive to work and is not easily drained. If your soil is of very light sand it can be greatly improved by adding well-rotted manure. Be sure, however, to keep in mind that seedlings grow better and make more and better roots in deep soil of good quality.

**SEED BEDS.** Seed beds are usually four feet wide. The soil should be thoroughly spaded or ploughed to a depth of at least one foot, then harrowed or raked until the soil is in a fine condition. If the soil needs to be enriched, well-rotted stable manure or leaf mold can be worked in the soil. Do not use fresh manure.

**PLANTING SEEDS.** Evergreens and small seeds of shrubs and trees are usually sown broadcast, while the larger seeds such as oaks, hickory and chestnut are sown in drills. Do not sow too thickly and before sowing it is advisable to roll the beds as it firms the surface soil and makes it possible to retain moisture. When seed is broadcasted it should be immediately pressed into the soil by a roller or any flat surfaced tool. Surface soil should not be used in covering the seeds but sifted soil taken from a foot or more below the surface. Be sure when covering the beds that only sufficient soil be applied to cover the seed, for example  $\frac{1}{4}$  inch is ample for coniferous species when the beds are protected by mulching or other covering after seeding. Seeds sown in drills should be covered 1 to 4 times the average diameter of the seed. This, of course, greatly depending on the locality and kind of soil. Deeper covering is necessary on sand and loam than on clay soil. Dry sandy soils requires a deeper planting than in heavy moist soils. Shade is an essential, as seed germinate best in darkness; this can be accomplished by making a lath sash out of building laths made into handy frames and fastened on posts about 18 inches above the ground. Remove the sash when germination starts in order to give the young plants necessary air and light.

**TIME OF SEEDING.** Of course, local climatic conditions play a large part whether seeds should be planted in the autumn or spring. All seeds which do not keep over winter should certainly be planted in the autumn, such as chestnuts, oaks, various varieties of firs, cypress and most of the deciduous trees and shrubs, while the majority of evergreens in the spring. Protect seeds sown in autumn from mice and other rodents and be sure seeding is not done until all danger of warm weather is past. There are many deciduous tree and plant shrub seeds that do not arrive and are not in condition to plant in the autumn, but will not keep over winter in a dry condition. These seeds should be stratified in damp sand, kept in a damp condition and in a cool place until the proper planting season arrives in the spring. Seeds of a hard bony nature, such as black and honey locust, Kentucky Coffee, etc., most of the pines and spruce, can be kept in a dry condition, in a cool place over the first winter without serious loss in germination.

**DAMPING-OFF.** This is a serious disease to young seedlings, especially to evergreens. This disease is most destructive under moist conditions, especially where the air is hot and humid. It has been discovered that sub-soil, which has been excavated two or three feet deep beneath the surface, is the best to use when covering the seed and has prevented damping-off in spring-sown seed beds. Many growers are now using "Semesan" and "Uspulum" for this and other fungi diseases. (You will find these described in this price list.

## NOTICE

Of course, these are only general hints on planting and care of seed beds. You will enjoy and get wonderful information from Prof. James W. Toumey's book on seeding and planting for \$4.25 postpaid. I honestly consider it cheap at double the price, so will you if you will order a copy.

## EVERGREENS

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
Abies amabilis, <b>Cascade Fir</b> .....	.75	\$ 7.50			
Abies balsamea, <b>Balsam Fir</b> .....	.50	3.50	\$ 3.35	\$ 3.25	\$ 3.00
Abies brachyphylla, see <b>homolepsis</b> .....	.50	4.00	3.85	3.75	3.50
Abies cephalonica, <b>Greek Fir</b> .....	.50	3.50	3.40	3.35	3.25
Abies cilicica, <b>Cilician Fir</b> .....	.50	4.00	3.85	3.75	3.50
Abies concolor, <b>California White Fir</b> .....	.35	3.00	2.85	2.75	2.50
Abies concolor, <b>Colorado White Fir</b> .....	.35	2.50	2.25	2.15	2.00
Abies firma, <b>Nomi Fir</b> .....	.35	3.00	2.85	2.75	2.50
Abies fraseri, <b>Fraser Fir</b> .....	.50	4.50	4.25		
Abies grandis, <b>Great Silver Fir</b> .....	.50	5.00	4.75	4.50	
Abies homolepsis (brachyphylla), <b>Nik- ko Fir</b> .....	.50	4.00	3.85	3.75	3.50
Abies lasiocarpa (subalpina), <b>Alpine Fir</b> ..	.75	6.50	6.35	6.25	6.00
Abies magnifica, <b>Red Fir</b> .....	.75	5.00			
Abies mariessii, <b>Maries Fir</b> .....	.50	3.50	3.25	3.15	3.00
Abies nobilis, <b>Noble Fir</b> .....	.75	5.50			
Abies nordmanniana, <b>Nordmann Fir</b> .....	.50	3.50	3.40	3.35	3.25
Abies pectinata, <b>European Fir</b> .....	.25	1.50	1.35	1.25	1.00
Abies pinsapo, <b>Spanish Fir</b> .....	.50	4.00	3.85	3.75	3.50
Abies sachalensis, <b>Sakhalin Fir</b> .....	1.00	10.00			
Abies sibirica, <b>Siberian Fir</b> .....	.75	5.00			
Abies subalpina, see <b>lasiocarpa</b> .....	.75	6.50	6.35	6.25	6.00
Abies veitchi, <b>Veitch Fir</b> .....	.50	5.00	4.85	4.75	4.50
Araucaria bidwilli, <b>Bunya-Bunya</b> .....	100	seeds \$5.00;	1000	seeds \$30.00	
Araucaria excelsa, <b>Norfolk Island Pine</b> ..	100	seeds \$2.00;	1000	seeds \$15.00	
Araucaria imbricata, <b>Monkeypuzzle</b> .....	100	seeds \$2.00;	1000	seeds \$15.00	
Arctostaphylos glauca, <b>Great Manzanita</b> ..	.50	3.50			
Arctostaphylos pungens .....	.50	3.50			
Arctostaphylos tomentos, <b>Wooly Man- zanita</b> .....	.50	3.50			
Berberis aquifolium, see <b>Manhonia</b> .....	.50	3.50	3.35	3.25	3.00
Buxus japonica (microphylla) <b>Japanese Box</b> .....	.75	7.50			
Buxus koraiensis, <b>Hardy</b> .....	1.00	10.00			
Buxus sempervirens, <b>Common Box</b> .....	.25	2.50	2.35	2.25	
Cedrus atlantica, <b>Atlas Cedar</b> .....	.35	3.00	2.75	2.65	2.50
Cedrus deodara, <b>Deodar Cedar</b> .....	.50	3.50	3.35	3.25	3.00
Cedrus libani, <b>Cedar of Lebanon</b> .....	.35	3.00	2.75	2.65	2.50
Cephalotaxus drupacea, <b>Japanese Plum</b> ..	.35	3.00	2.85	2.75	
Chamaecyparis lawsoniana, <b>Lawson Cy- press</b> .....	.50	5.00	4.90	4.85	4.75
Chamaecyparis obtusa, <b>Hinoki Cypress</b> ..	.35	3.00	2.85	2.75	2.50
Chamaecyparis pisifera, <b>Sawara Retinis- pora</b> .....	.35	3.00	2.85	2.75	2.50
Cinnamomum camphora, <b>Camphor Tree</b> .....	.25	2.00	1.85	1.75	
Crataegus pyracantha, see <b>Pyracantha (Evergreen Thorn)</b> .....	.25	1.50	1.25	1.50	1.10
Cryptomeria japonica, <b>Common Cryp- tomeria</b> .....	.30	2.50	2.35	2.25	2.00
Cryptomeria lobbi, <b>Lobb Cryptomeria</b> .....	.50	5.00			
Cunninghamia lanceolata (sinensis) <b>Chinese Fir</b> .....	.25	2.50	2.35	2.25	
Cupressus arizonica, <b>Arizona Cypress</b> ..	.35	3.00	2.90	2.75	2.50
Cupressus benthami (excelsa) <b>Bentham Cypress</b> .....	.75	7.50			

One-quarter pound sold at pound rate, 10 pounds or over at 25 pound rate.  
25 pounds or over at 100 pound rate.

## EVERGREENS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
Cupressus glabra, Smooth Cypress.....	.50	5.00			
Cupressus goveniana, Gowen Cypress.....	.50	5.00			
Cupressus knightiana, Knight Cypress....	.50	5.00			
Cupressus lindleyi, Lindley Cypress.....	.50	5.00			
Cupressus lusitanica, Portuguese Cypress	.50	5.00			
Cupressus macrocarpa, Monterey Cypress	.50	3.00	2.85	2.75	2.50
Cupressus sempervirens, California grown	.50	5.00			
Cupressus sempervirens, Italian Cypress	.25	2.00	1.85	1.75	1.50
Cupressus sempervirens horizontalis,					
Spreading Italian Cypress .....	.25	2.50	2.35	2.25	
Ilex aquifolium, English Holly .....	.25	2.00	1.85	1.75	
Ilex crenata (fortunei) Japanese Holly....	.35	3.00	2.75	2.65	2.50
Ilex glabra, Ink Berry .....	.25	2.00			
Ilex opaco, American Holly .....	.15	1.00	.90	.85	.65
Juniperus californica, California Juniper	.50	3.50			
Juniperus chinensis (sinensis) Chinese					
Juniper .....	.35	3.00	2.85	2.75	
Juniperus communis, Common Juniper....	.25	1.50	1.35	1.25	
Juniperus communis canadensis, Pros					
trate Juniper .....	.25	2.00	1.90	1.85	1.75
Juniperus communis montana (Nana)					
Mountain Juniper .....	.25	2.00	1.85	1.75	
Juniperus conferta (litoralis) Shore					
Juniper .....	.50	5.00	4.75	4.50	
Juniperus excelsa, Greek Juniper.....	.25	2.50			
Juniperus formosana, Formosa Juniper..	.50	5.00			
Juniperus monosperma, Cherrystone					
Juniper .....	.25	2.50	2.35	2.25	
Juniperus pachyphoea, Alligator Juniper	.25	1.50	1.35	1.25	
Juniperus rigida, Needle Juniper.....	.50	5.00	4.75	4.50	
Juniperus sabina, Savin Juniper .....	.25	2.50	2.35	2.25	
Juniperus scopulorum, Colorado Juniper	.25	2.00	1.85	1.75	
Juniperus virginiana, Red Cedar.....	.15	1.00	.90	.85	.75
Juniperus virginiana, Platte River Juniper	.25	1.25	1.15	1.10	1.00
Kalmia latifolia, Mountain laurel (Clean)	.75	5.00			
Larix dahurica, Dahurican Larch .....	.50	5.00			
Larix europaea (decidua) European Larch..	.40	2.50	2.35	2.25	2.00
Larix leptolepis, Japanese Larch.....	.75	5.00	4.90	4.85	4.75
Larix occidentalis, Western Larch .....	.75	6.00			
Laurocerasus caroliniana, Carolina Cher-					
ry-Laurel .....	.25	1.25	1.15	1.10	
Laurus nobilis, Grecian Laurel .....	.25	2.00	1.85	1.75	
Libocedrus decurrens, California.. In-					
cense-Cedar .....	.50	5.00	4.90	4.75	
Magnolia grandiflora, Southern Magnolia	.25	2.00	1.85	1.75	1.50
Mahonia aquifolium, Oregon Hollygrape					
(Clean) .....	.50	3.50	3.35	3.25	3.00
Photinia arbutifolia, Christmas-berry....	.25	2.00	1.90	1.85	1.75
Picea alcockiana, Alcock Spruce .....	1.00	10.00			
Picea canadensis (alba) White Spruce....	.75	6.50	6.35	6.25	6.00
Picea canadensis, Black Hills Spruce....	1.00	7.50	7.35	7.25	7.00
Picea engelmanni, Engelmann Spruce ....	.75	5.50	5.35	5.25	5.00
Picea excelsa, Norway Spruce .....	.25	2.00	1.85	1.75	1.50
Picea glehni, Sakhalin Spruce.....	1.00	10.00			

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25 pounds or over at 100 pound rate.

## EVERGREENS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
<i>Picea jezoensis hondoensis</i> , Hondo Spruce	1.00	10.00			
<i>Picea koyamai</i> , from Japan	1.00	12.50			
<i>Picea meyeri</i>	.75	5.00			
<i>Picea orientalis</i> , Oriental Spruce	1.00	10.00			
<i>Picea polita</i> , Tigertail Spruce	.50	5.50	5.35	5.25	
<i>Picea pungens</i> , Colorado Blue Spruce	.75	5.00	4.90	4.85	4.75
<i>Picea pungens</i> , selected from Blue Specimens	.75	5.50			
<i>Picea rubra</i> , Red Spruce	.75	6.00			
<i>Picea sitchensis (menziesii)</i> Sitka Spruce	1.00	7.50	7.35	7.25	7.00
<i>Pinus aristata</i> , Bristlecone Pine	.75	7.50			
<i>Pinus armandi</i> , Armand Pine (from China)	.50	5.00			
<i>Pinus austriaca</i> , see <i>Pinus nigra</i>	.35	2.50	2.35	2.25	2.00
<i>Pinus banksiana (divaricata)</i> Jack Pine	.50	5.00	4.90	4.85	4.75
<i>Pinus bungeana</i> , Lacebark Pine	.50	5.00			
<i>Pinus canariensis</i> , Canary Pine	.35	3.00	2.75	2.50	
<i>Pinus caribaea</i> , Slash Pine	.75	6.50	6.35	6.25	
<i>Pinus cembra</i> , Swiss Stone Pine	.25	2.00	1.75	1.50	1.25
<i>Pinus contorta</i> , Shore Pine	.75	7.50			
<i>Pinus coulteri</i> , Coulter Pine (Big Cone Pine)	.65	5.50			
<i>Pinus densiflora</i> , Japanese Red Pine	.35	2.50	2.35	2.25	2.00
<i>Pinus echinata (mitis)</i> Shortleaf Pine	.75	7.50			
<i>Pinus edulis (pinyon)</i> Nut Pine	.25	2.00	1.85	1.75	1.50
<i>Pinus excelsa</i> , Himalayan Pine	.35	3.50	3.35	3.25	3.00
<i>Pinus flexilis</i> , Limber Pine	.50	4.00	3.85	3.75	3.50
<i>Pinus halepensis</i> , Aleppo Pine	.25	2.50	2.35	2.25	
<i>Pinus jefferi</i> , Jeffrey Pine	.30	3.00	2.90	2.75	2.50
<i>Pinus koraiensis</i> , Korean Pine	.25	2.50	2.35	2.25	2.00
<i>Pinus lambertiana</i> , Sugar Pine	.25	2.50	2.35	2.25	2.00
<i>Pinus laricio</i> , Corsican Pine	.50	4.00	3.85	3.75	3.50
<i>Pinus maritima</i> , see <i>Pinus pinaster</i>	.25	1.50	1.35	1.25	
<i>Pinus massoniana</i>	.25	2.50	2.35	2.25	
<i>Pinus montana</i> , Swiss Mountain Pine	.35	3.00	2.85		
<i>Pinus montana mughus</i> , Mugho Pine	.75	7.50			
<i>Pinus monticola</i> , Western White Pine	.50	4.00	3.90	3.75	3.50
<i>Pinus muricata</i> , Bishop Pine	.50	6.50			
<i>Pinus murrayana</i> , Lodgepole Pine	.75	7.50			
<i>Pinus nigra (austriaca)</i> Austrian Pine	.35	2.50	2.35	2.25	2.00
<i>Pinus palustris (australis)</i> Longleaf Pine	.35	3.50	3.25	3.15	3.00
<i>Pinus parvifolia (pentaphylla)</i> Japanese White Pine	.50	6.00			
<i>Pinus puece</i> , Macedonian Pine	.50	6.00			
<i>Pinus pinaster (maritima)</i> Cluster Pine	.25	1.50	1.35	1.25	
<i>Pinus pinea</i> , Italian Stone Pine	.25	1.25	1.15	1.00	
<i>Pinus ponderosa</i> , Rocky Mountain Yellow Pine	.25	2.50	2.25	2.15	2.00
<i>Pinus ponderosa</i> , Western Yellow Pine (Calif.)	.35	3.00	2.85	2.75	2.50
<i>Pinus pumila</i> , Japanese Creeping Pine	.75	6.00			
<i>Pinus radiata (insignis)</i> Monterey Pine	.45	3.50	3.35	3.25	3.00
<i>Pinus resinosa</i> , Red Pine	2.50	22.50	20.00	17.50	15.00
<i>Pinus rigida</i> , Pitch Pine	.75	6.50	6.35	6.25	6.00

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25 pounds or over at 100 pound rate.

## EVERGREENS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
<i>Pinus sabiniana</i> , Digger Pine .....	.25	1.75	1.50	1.35	1.25
<i>Pinus sinensis</i> , Chinese Shortleaf Pine....	.50	5.00			
<i>Pinus strobus</i> , White Pine .....	.50	4.50	4.35	4.25	4.00
<i>Pinus sylvestris</i> , Scotch Pine .....	.35	2.50	2.35	2.25	2.00
<i>Pinus sylvestris rigensis</i> , Riga Scotch Pine .....	.50	5.00	4.85	4.75	4.50
<i>Pinus taeda</i> (oldfield) Loblolly Pine.....	.50	5.50	5.25	5.15	5.00
<i>Pinus tanyosho globosa</i> , Japanese Table Pine .....	1.00	10.00			
<i>Pinus thunbergii</i> , Japanese Black Pine .....	.35	2.50	2.35	2.25	2.00
<i>Podocarpus macrophylla</i> , Yew <i>Podocarpus</i> <i>Prunus</i> ( <i>Cerasus</i> ) <i>ilicifolia</i> , Holly Leaf Cherry .....	.25	2.00	1.85	1.75	
<i>Prunus lyoni</i> ( <i>integrifolia</i> ) .....	.25	2.00	1.85	1.75	
<i>Pseudolarix kaempferi</i> , Golden Larch ....	.75	6.00			
<i>Pseudotsuga douglasii</i> , Colorado Douglas Fir .....	.50	5.00	4.85	4.75	4.50
<i>Pseudotsuga douglasii</i> , Green Douglas Fir .....	.75	6.00	5.85	5.75	5.50
<i>Pyracantha coccinea</i> , ( <i>Crataegus pyra-</i> <i>cantha</i> ) .....	.25	1.50	1.25	1.15	1.10
<i>Rhododendron caroliniana</i> , Carolina R. (Clean) .....	1.00	10.00			
<i>Rhododendron catawbiense</i> , Catawba <i>Rhododendron</i> (Clean) .....	.75	7.50			
<i>Rhododendron maximum</i> , Rosebay Rho- dodendron (Clean) .....	.75	5.00			
<i>Rhododendron ponticum</i> , Pontic Rho- dodendron, Mixed .....	1.00	10.00			
<i>Sciadopitys verticillata</i> , Umbrella Pine .....	.50	5.00	4.75	4.50	
<i>Sequoia gigantea</i> (big tree) Giant Se- quoia .....	1.50	15.00			
<i>Sequoia sempervirens</i> , California Red Wood .....	.50	4.00	3.85	3.75	3.50
<i>Taxus baccata</i> , English Yew .....	.35	2.50	2.25	2.15	2.00
<i>Taxus brevifolia</i> , Pacific Yew .....	1.50	15.00			
<i>Taxus cuspidata</i> , Japanese Yew .....	.50	4.00	3.85	3.75	3.50
<i>Thuja gigantea</i> , see <i>Thuja plicata</i> .....	.50	6.00			
<i>Thuja occidentalis</i> , American arborvitae .....	.50	4.00	3.85	3.75	3.50
<i>Thuja orientalis</i> , Oriental Arborvitae.....	.25	1.75	1.50	1.35	1.25
<i>Thuja orientalis aurea</i> , Golden Oriental Av. <i>Thuja orientalis compacta</i> , Compact Oriental Av. ....	.35	3.50	3.35	3.25	
<i>Thuja orientalis globosa</i> , Globe Orien- tal Av. ....	.50	5.00	3.35	3.25	
<i>Thuja plicata</i> ( <i>gigantea</i> ) Giant Ar- borvitae .....	.50	6.00			
<i>Thujopsis dolabrata</i> , False Arborvitae....	.75	7.50			
<i>Torreya californica</i> , California Nutmeg .....	.25	2.50			
<i>Torreya nucifera</i> , Japanese Nutmeg.....	.25	2.50			
<i>Tsuga canadensis</i> , Canada Hemlock ....	.75	7.00	6.85	6.75	6.50
<i>Tsuga caroliniana</i> , Carolina Hemlock.....	1.00	10.00			
<i>Tsuga diversifolia</i> , Japanese Hemlock.....	.75	7.50			
<i>Tsuga heterophylla</i> , Western Hemlock....	1.50	15.00			
<i>Tsuga mertensiana</i> , Mountain Hemlock....	1.00	12.50			

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25 pounds or over at 100 pound rate.



## EVERGREENS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
<i>Tsuga sieboldii</i> , Siebold Hemlock.....	.75	7.50			
<i>Ulex europaeus</i> , Common Gorse.....	.25	2.50			
<i>Yucca angustifolia</i> , see <i>Yucca glauca</i> .....	.50	5.00			
<i>Yucca filamentosa</i> , Common Yucca.....	.30	2.25	2.15	2.10	2.00
<i>Yucca glauca</i> ( <i>angustifolia</i> ), Soapweed					
<i>Yucca</i> .....	.50	5.00			
<i>Yucca whipplei</i> ( <i>Hesperoyucca</i> ).....	.50	6.00			

## DECIDUOUS TREES AND SHRUBS

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
<i>Acer campestre</i> , Hedge Maple.....	.15	\$ 1.00	\$.85	\$.75	\$.50
<i>Acer dasycarpum</i> , Silver Maple.....	.25	1.00	.85	.75	.50
<i>Acer ginnala</i> , Amur Maple.....	.25	2.00	1.90	1.85	1.75
<i>Acer japonicum</i> , Fullmoon Maple.....	.40	3.50			
<i>Acer macrophyllum</i> , Oregon Maple.....	.25	1.50	1.35	1.25	1.00
<i>Acer negundo</i> , Boxelder.....	.15	.75	.65	.60	.50
<i>Acer palmatum</i> ( <i>polymorphum</i> ), Japa- nese Maple.....	.50	3.50	3.35	3.25	3.00
<i>Acer palmatum atropurpureum</i> , Japa- nese Bloodleaf Maple.....	1.50	15.00			
<i>Acer pennsylvanicum</i> ( <i>striatum</i> ), Striped Maple.....	.25	3.00			
<i>Acer platanoides</i> , Norway Maple.....	.25	1.00	.75	.65	.50
<i>Acer pseudoplatanus</i> , Sycamore Maple.....	.25	1.00	.85	.75	.50
<i>Acer pseudoplatanus purpurascens</i> , Pur- ple Sycamore.....	.25	1.75	1.65	1.50	
<i>Acer rubrum</i> , Red Maple.....	.25	2.50			
<i>Acer saccharum</i> , Sugar Maple.....	.35	1.50	1.35	1.25	1.10
<i>Acer spicatum</i> , Mountain Maple.....	.25	3.00			
<i>Acer tataricum</i> , Tatarian Maple.....	.25	2.00	1.90	1.80	1.75
<i>Aesculus glabra</i> , Ohio Buckeye.....	.15	.75	.65	.60	.50
<i>Aesculus hippocastanum</i> , Horse Chestnut	.15	.75	.65	.60	.50
<i>Acer hippocastanum rubicunda</i> , Red Flowering .....	.25	1.50	1.35	1.25	
<i>Ailanthus glandulosa</i> , Tree-of-Heaven....	.25	.75	.65	.60	.50
<i>Akebia</i> , see Vines .....					
<i>Albizia julibrissin</i> , Silk Tree.....	.25	2.50			
<i>Alnus glutinosa</i> , European Alder.....	.25	1.50	1.25	1.15	1.10
<i>Althaea</i> , see Hibiscus.....					
<i>Amelanchier canadensis</i> ( <i>bortryapium</i> ), Downy Service Berry.....	.35	4.00			
<i>Amorpha fruticosa</i> ( <i>fragrans</i> ), Indigo- bush .....	.15	.75	.65	.60	.50
<i>Ampelopsis</i> , see Vines .....					
<i>Amygdalus</i> , Peach, Almond, see Fruits....					
<i>Andromeda</i> , see <i>Leucothoe</i> , <i>Oxydendrum</i> , <i>Pieris</i> .....					
Apple, French Crab, see Fruit .....					
<i>Aralia cordata</i> , Udo .....	.50	5.00			
<i>Aralia spinosa</i> , Devils-walkingstick .....	.35	3.50			
<i>Arbutus menziesii</i> , Mandrone .....	.35	\$ 3.00	\$ 2.85	\$ 2.75	
<i>Ardisia crenulata</i> , Coral Ardisia .....	.75	7.50			
<i>Aristolochia</i> , see Vines .....					

One-quarter pound sold at pound rate, 10 pounds or over at 25 pound rate,  
25 pounds or over at 100 pound rate.

## DECIDUOUS TREES AND SHRUBS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
Aronia arbutifolia (pyrus) <b>Red Choke-</b>					
<b>berry</b> .....	.25	1.25	1.15	1.00	
Aronia melanocarpa, <b>Black Chokeberry</b> ..	.15	1.00	.85	.75	
Asimina triloba, <b>Pawpaw</b> .....	.25	1.50	1.35	1.25	
Aucuba japonica, <b>Japanese Green Aucuba</b> .....	.40	3.50			
Aucuba pajonica, <b>Golddust Aucuba</b> .....	.60	5.50			
Azalea calendulacea (lutea) <b>Flame</b>					
<b>Azalea (Clean)</b> .....	.75	7.50			
Azalea hinodegiri, <b>Clean</b> .....	7.50				
Azalea japonicum, <b>Japanese, Clean</b> .....	10.00				
Azalea kaempferi, <b>Torch, Clean</b> .....	10.00				
Azalea kurume (obtus) <b>Clean</b> .....	20.00				
Azalea mollis, <b>Chinese, Clean</b> .....	1.00	10.00			
Azalea nudiflora, <b>Pinxterbloom, Clean</b> .....	.75	7.50			
Azalea pontiac, <b>Pontic Azalea, Clean</b> ....	5.00				
Azalea vaseyi, <b>Pinkshell Azalea, Clean</b> ....	1.00	10.00			
Azalea viscosa, <b>Swamp Azalea, Clean</b> 1.00	10.00				
Benzoin aestivale (Laurus benzoin)					
<b>Spicebush</b> .....	.25	1.50	1.35	1.25	1.00
Berberis thunbergi (Berries) <b>Japanese</b>					
<b>Barberry</b> .....	.25	2.00	1.75	1.65	1.50
Berberis thunbergi (Clean seed) <b>Jap-</b>					
<b>anese Barberry</b> .....	.75	5.00	4.75	4.50	
Berberis vulgaris, <b>European Barberry</b> .....	.15	1.25	1.15	1.00	
Berberis vulgaris atropurpurea, <b>Purple</b>					
<b>Barberry</b> .....	.25	2.00	1.75	1.50	
Betula alba, <b>European White Birch</b> .....	.15	1.00	.90	.85	.75
Betula alba, <b>European White Birch (re-</b>					
<b>cleaned)</b> .....	.25	2.50	2.35	2.25	
Betula lenta, <b>Sweet Birch</b> .....	.35	2.50	2.40	2.35	2.25
Betula lutea (excelsa) <b>Yellow Birch</b> .....	.35	2.50	2.40	2.35	2.25
Betula papyrifera, <b>Paper or Canoe</b>					
<b>Birch</b> .....	.50	3.00	2.85	2.75	2.50
Betula populifolia, <b>Gray Birch</b> .....	.25	1.50	1.35	1.25	1.15
Bignonia, <b>Trumpet-creeper, see Vines</b> ....					
Buxus, <b>Box, see Evergreens</b> .....					
Callicarpa americana, <b>American Beauty</b>					
<b>berry</b> .....	.25	2.50	2.35	2.25	
Callicarpa purpurea, <b>Chinese Beauty-</b>					
<b>berry</b> .....	.25	2.50			
Calycanthus floridus, <b>Sweet Shrub</b> .....	.25	1.50	1.35	1.25	1.00
Calycanthus occidentalis, <b>California</b> .....	.35	3.50	3.25	3.15	3.00
Camellia chinensis, <b>Chinese Camellia</b> ....	.35	2.50	2.35	2.25	
Camellia japonica, <b>Common Camellia</b> .....	.25	2.00	1.90	1.85	1.75
Camellia sasanqua, <b>Sasanqua Tea</b> .....	.25	2.50			
Caragana arborescens, <b>Siberian Pea tree</b>	.25	2.00	1.90	1.75	1.50
Carpenteria californica .....	2.00	12.00			
Carpinus betulus, <b>European Hornbeam</b> .....	.25	1.50	1.35	1.25	
Carpinus caroliniana (americana) <b>Amer-</b>					
<b>ican Hornbeam</b> .....	.25	1.25	1.15	1.10	1.00
Carya, <b>Hickory, Shellbark, see Hicoria</b>					
Cassia marilandica, <b>Wild Senna</b> .....	.25	2.50			
Castanea dentata, <b>American Chestnut</b> .....		.75	.70	.65	

One-quarter pound sold at pound rate, 10 pounds or over at 25 pound rate,  
25 pounds or over at 100 pound rate.

## DECIDUOUS TREES AND SHRUBS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
<i>Castanea japonica</i> , Japanese Mammoth Chestnut .....	.25	1.00	.85	.75	.60
<i>Castanea koraiensis</i> , Corean Chestnut ....	.25	1.00	.85	.75	
<i>Catalpa bignonioides</i> , Common Catalpa .....	.25	1.50	1.35	1.25	
<i>Catalpa kaempferi</i> , Japanese Catalpa ....	.25	2.50			
<i>Catalpa speciosa</i> , Western Catalpa .....	.25	1.50	1.40	1.35	1.25
<i>Ceanothus americanus</i> , Jersey Tea (Dry Berries) .....	.35	3.00	2.90	2.85	2.75
<i>Cedrela sinensis</i> , Chinese Cedrela .....	.75	6.00			
<i>Celastrus</i> , see Vines .....					
<i>Celtis occidentalis</i> , Hackberry .....	.15	1.50	1.25	1.15	1.00
<i>Cephalanthus occidentalis</i> , Common Buttonbush .....	.15	.75	.70	.65	.50
<i>Cercidiphyllum japonicum</i> , Katsura Tree .....	1.00	10.00			
<i>Cercis canadensis</i> , American Redbud .....	.25	2.00	1.90	1.85	1.75
<i>Cercis chinensis</i> ( <i>japonica</i> ) Chinese Redbud .....	.75	6.50			
<i>Cercis siliquastrum</i> , Judas tree .....	.25	2.50			
Cherry, Mazzard, Mahaleb, see Fruits....					
<i>Chionanthus virginica</i> , White Fringe.....	.35	3.00	2.85	2.75	2.50
<i>Citrus aurantium</i> , Sour Orange.....	.50	5.00			
<i>Citrus trifoliata</i> , Hardy Orange.....	.30	2.25	2.15	2.00	
<i>Cladrastis lutea</i> ( <i>tinctoria</i> ; <i>Virgilia lutea</i> ) .....	.35	3.50	3.35	3.25	
<i>Clematis</i> , see Vines .....					
<i>Clethra alnifolia</i> , Summersweet .....	.25	1.50	1.35	1.25	1.00
<i>Colutea arborescens</i> , Common Bladder-Senna .....	.20	1.50	1.35	1.25	
<i>Cornus alternifolia</i> , Pagoda Dogwood....	.25	1.25	1.15	1.10	1.00
<i>Cornus amomum</i> ( <i>sericea</i> ) Silky Dogwood .....	.25	1.50	1.35	1.25	1.00
<i>Cornus brachypoda</i> ( <i>macrophylla</i> ) .....	.50	4.00			
<i>Cornus florida</i> , Flowering Dogwood.....	.15	.75	.65	.50	.40
<i>Cornus kousa</i> , Kousa Dogwood .....	.35	3.50			
<i>Cornus mas</i> , Cornelian Cherry .....	.25	1.50	1.35	1.25	1.00
<i>Cornus nuttalli</i> , Pacific Dogwood .....	.25	2.00	1.90	1.85	1.75
<i>Cornus paniculata</i> ( <i>candidissima</i> ) Gray Dogwood .....	.25	1.25	1.15	1.10	1.00
<i>Cornus sanguinea</i> , Bloodtwig Dogwood .....	.25	1.25	1.15	1.10	1.00
<i>Cornus stolonifera</i> , Red-osier Dogwood .....	.25	1.50	1.35	1.25	1.00
<i>Corylus americana</i> , Hazelnut .....	.15	.75	.65	.55	.50
<i>Corylus avellana</i> , Filbert .....	.15	.75	.65	.55	.50
<i>Corylus avellana atropurpurea</i> , Purple Filbert .....	.25	2.50			
<i>Cotoneaster acutifolia</i> , Peking Coton-easter .....	.25	2.00			
<i>Cotoneaster horizontalis</i> , Rock Coton-easter .....	.50	4.50			
<i>Cotoneaster lucida</i> ( <i>sinensis</i> ) .....	.25	2.00	1.85	1.75	
<i>Crataegus coccinea</i> , Thicket Hawthorn....	.15	.75	.65	.55	.50
<i>Crataegus cordata</i> , Washington Thorn ....	.15	1.00	.85	.75	
<i>Crataegus crusgalli</i> , Cockspur Thorn.....	.15	.75	.65	.55	.50
<i>Crataegus oxycantha</i> (Berries) English Thorn .....	.25	1.25	1.15	1.10	1.00

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25 pounds or over at 100 pound rate.

## DECIDUOUS TREES AND SHRUBS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
<i>Crataegus oxycantha</i> (Clean) English Thorn .....	.35	2.25	2.15	2.10	2.00
<i>Crataegus tomentosa</i> , Pear Hawthorn ....	.25	1.00	.85	.75	
<i>Cydonia japonica</i> , Japanese Quince.....	.50	4.00	3.85	3.75	3.50
<i>Cydonia japonica pygamea</i> , Creeping Dwarf .....	.75	7.50			
<i>Cydonia oblonga</i> ( <i>vulgaris</i> ) Common Quince .....	.35	3.50	3.35	3.25	3.00
<i>Cytisus scoparius</i> , Scotch Broom .....	.25	1.50	1.35	1.25	1.00
<i>Diospyrus kaki</i> , Kaki Persimmon .....	.35	3.00	3.85	2.75	
<i>Diospyrus lotus</i> , Dateplum .....	.25	2.00	1.75	1.50	
<i>Diospyrus virginiana</i> , Common Persim- mon .....	.15	.75	.70	.65	.60
<i>Elaeagnus angustifolia</i> , Russian-Olive.....	.15	1.00	.85	.80	.75
<i>Elaeagnus longipes</i> ( <i>edulus</i> ) Cherry Elaeagnus .....	.35	3.50	3.35	3.25	3.00
<i>Elaeagnus umbellata</i> , Autumn Elaeagnus ..	.25	2.50	2.35	2.25	2.00
<i>Enkianthus perulatus</i> ( <i>japonica</i> ) White Enkianthus .....	.50	5.00			
<i>Euonymus alatus</i> , Winged Euonymus.....	.40	4.00	3.85	3.75	
<i>Euonymus americana</i> , Brook Euonymus..	.25	2.00	1.85	1.75	1.50
<i>Euonymus atropurpureus</i> , Wahoo .....	.25	3.00	2.85	2.75	2.50
<i>Euonymus europaeus</i> , European Burning bush .....	.25	2.00	1.85	1.75	
<i>Euonymus japonicus</i> , Evergreen Euon- ymus .....	.35	3.00	2.85	2.75	
<i>Exochorda grandiflora</i> , Common Pearl- bush .....	.35	3.50	3.25	3.00	
<i>Exochorda korolkowi</i> ( <i>alberti</i> ) Pearl- bush .....	.35	3.50	3.00		
<i>Fagus americana</i> , American Beech .....	.15	1.25	1.15	1.00	
<i>Fagus sylvatica</i> , English Beech .....	.15	1.00	.95	.90	.75
<i>Fagus sylvatica purpurea</i> , Copper Beech ..	.35	2.50	2.35	2.25	
<i>Fraxinus americana</i> , White Ash .....	.15	1.00	.90	.75	.65
<i>Fraxinus excelsior</i> , European Ash .....	.15	1.00	.95	.90	.85
<i>Fraxinus lanceolata</i> ( <i>viridis</i> ) Green Ash..	.15	.75	.65	.55	.50
<i>Fraxinus ornus</i> , Flowering Ash .....	.15	1.00	.95	.90	.85
<i>Fremontia californica</i> , Fremontia .....	1.00	10.00			
Ginkgo ( <i>Salisburia andiantifolia</i> ), Maid- en-hair-tree .....	.15	1.00	.85	.80	.75
<i>Gleditsia triacanthus</i> , Honey-locust .....	.15	.75	.65	.55	.50
<i>Gymnocladus dioica</i> ( <i>canadensis</i> ) Ken- -tucky Coffee .....	.15	.75	.65	.55	.50
<i>Halesia diptera</i> , Two-wing Silverbell .....	.25	2.00	1.85	1.75	1.50
<i>Halesia tetraptera</i> , Great Silverbell .....	.25	1.50	1.25	1.15	1.00
<i>Hamamelis japonica</i> , Japanese. Witch- hazel .....	.75	7.50			
<i>Hamamelis virginiana</i> , Common Witch- hazel .....	.25	1.75	1.65	1.55	1.50
<i>Hedera helix</i> , English Ivy, see Vines ..					
<i>Hibiscus syriacus</i> ( <i>althaea frutex</i> ), Shrub-althea .....	.20	1.50	1.35	1.25	
Hickory, see <i>Hicoria</i> .....					

One-quarter pound sold at pound rate, 10 pounds or over at 25 pound rate,  
25 pounds or over at 100 pound rate.

## DECIDUOUS TREES AND SHRUBS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
<i>Hicoria alba</i> ( <i>Carya tomentosa</i> ) Mockernut .....		.25	.20	.18	.15
<i>Hicoria cordiformis</i> ( <i>C. amara</i> ) Bitternut .....		.25	.20	.18	.15
<i>Hicoria glabra</i> ( <i>C. porcina</i> ) Pignut.....		.25	.20	.18	.15
<i>Hicoria ovata</i> ( <i>C. alba</i> ) Shagbark Hickory .....		.25	.20	.18	.15
<i>Hicoria pecan</i> ( <i>C. olivaeformis</i> ) Pecan....		.75	.70	.65	.60
<i>Hippophae rhamnoides</i> , Common Sea-buckthorn .....	.25	2.00	1.85	1.75	1.50
<i>Hydrangea arborescens</i> , Smooth Hydrangea .....	.50	5.00			
<i>Ilex sieboldi</i> , Siebold Holly .....	.40	4.00	3.75	3.50	
<i>Ilex verticellata</i> , Common Winterberry....	.15	1.25	1.15	1.00	.90
<i>Juglans californica</i> , Calif. Black Walnut .....		.75	.65	.50	
<i>Juglans cinerea</i> , Butternut .....		.25	.20	.18	.15
<i>Juglans nigra</i> , Black Walnut .....		.20	.15	.12	.10
<i>Juglans regia</i> (Persian) English Walnut .....		.75	.65	.50	.45
<i>Juglans sieboldiana</i> , Japanese Walnut ....		.75	.65	.55	.50
<i>Juglans sieboldiana cordiformis</i> , Flat Walnut .....		.75	.65	.55	.50
<i>Kalmia</i> , Mountain-laurel, see Evergreens					
<i>Kerria japonica</i> ( <i>Corchorus</i> ) .....	.50	5.00			
<i>Koelreuteria paniculata</i> , Goldenrain-tree .....	.25	1.50	1.35	1.25	1.00
Kudzu vine, see Vines .....					
<i>Laburnum vulgare</i> , Goldenchain .....	.25	1.50	1.35	1.25	1.15
<i>Lagerstroemia indica</i> , Common Crape-myrtle (Clean) .....	1.00	10.00			
<i>Laurocerasus</i> , Cherry-laurel, see Evergreens .....					
<i>Lespedeza bicolor</i> , Shrub Bushclover .....	.35	3.50			
<i>Leucothoe catesbaei</i> , Drooping Leucothoe (Clean) .....	.75	7.50			
<i>Ligustrum amurense</i> , Amur Privet .....	.15	.75	.65	.60	.50
<i>Ligustrum ibota</i> , Ibota Privet.....	1.5	.75	.65	.55	.50
<i>Ligustrum japonicum</i> , Japanese Privet....	.25	1.25	1.15	1.10	1.00
<i>Ligustrum lucidum</i> ( <i>macrophyllum</i> ), Glossy Privet .....	.20	1.50	1.40	1.35	52.1
<i>Ligustrum nepalense</i> , Nepal Privet .....	.30	2.50	2.35	2.25	2.00
<i>Ligustrum vulgare</i> , European Privet .....	.15	1.25	1.15	1.10	1.00
Lindera, see Benzoin .....					
<i>Liquidambar styraciflua</i> , Sweetgum .....	.35	3.50	3.35	3.25	3.00
<i>Liriodendron tulipifera</i> , Tuliptree .....	.15	1.00	.85	.75	.50
<i>Lonicera tatarica</i> , Tatarian Honeysuckle .....	.45	4.00	3.85	3.75	
<i>Maclura pomifera</i> ( <i>aurantiaca</i> ) Osage-orange .....	.25	1.25	1.15	1.10	1.00
<i>Magnolia acuminata</i> , Cucumbertree .....	.35	2.25	2.15	2.10	2.00
<i>Magnolia conspicua</i> , Yulan .....	.50	5.00			
<i>Magnolia glauca</i> ( <i>virginiana</i> ) Sweetbay .....	.35	3.50	3.35	3.25	3.00
<i>Magnolia grandiflora</i> , Southern Magnolia .....	.25	2.00	1.85	1.75	1.50
<i>Magnolia hypoleuca</i> , Silver Magnolia ....	.35	3.00	2.85	2.75	
<i>Magnolia kobus</i> , from Japan .....	.35	3.00	2.85	2.75	
<i>Magnolia parvifolia</i> , Oyama Magnolia....	1.00	10.00			
<i>Magnolia tripetala</i> , Umbrella Magnolia....	.25	2.25	2.15	2.10	2.00
Mahonia, see Evergreens .....					

One-quarter pound sold at pound rate, 10 pounds or over at 25 pound rate,  
25 pounds or over at 100 pound rate.

## DECIDUOUS TREES AND SHRUBS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
Morus alba, White Mulberry .....	.75	6.00			
Morus alba tatarica, Russian Mulberry....	.35	3.50	3.35	3.25	3.00
Myrica cerifera, Bayberry, Waxmyrtle..	.25	1.50	1.35	1.25	1.15
Nandina domestica, Nandina .....	.50	5.00	4.75	4.50	4.00
Negundo, see Acer negundo .....					
Nyssa aquatica, Big Tupelo .....	.25	1.50	1.35	1.25	1.00
Nyssa sylvatica (multiflora) (Sourgum) Tupelo .....	.20	1.25	1.15	1.10	1.00
Nyssa Uniflora, Sourgum .....	.15	1.50			
Ostrya virginiana (virginica) American Hophornbeam .....	.35	3.00			
Oxydendrum arboreum, Sourwood, Clean	.35	3.50			
Paulownia tomentosa (imperialis) Roy- al Paulownia .....	.25	2.50			
Peach pits, see Fruits .....					
Phellodendron amurense, Amur Corktree	.15	1.00	.85	.75	
Photinia villosa .....	.50	4.00			
Pieris floribunda (Andromeda floribun- da) Mountain Andromeda, Clean....	1.00	8.50			
Pieris japonica, Japanese Andromeda, Clean .....	1.00	10.00			
Pittosporum tobira, Tobira .....	.50	5.00	4.75	4.50	
Platanus occidentalis, American Plane..	.25	.75	.65	.60	.50
Platanus orientalis, European Plane.....	.25	.75	.65	.60	.50
Plum, Myrobalan, see Fruits .....					
Populus deltoides, Southern Cottonwood	.25	1.50			
Prunus americana, American Plum .....	.15	1.50	1.35	1.25	1.00
Prunus lannesiana, Hitoye Cherry.....	.50	5.00			
Prunus maritima, Beach Plum .....	.15	1.50	1.35	1.25	
Prunus mume, Japanese Apricot .....	.50	5.00			
Prunus serotina (Cerasus serotina) Black Cherry .....	.15	1.00	.85	.80	.75
Prunus serrulata (Jap. flowering cherry) Oriental Cherry .....	.50	5.00			
Prunus virginiana, Common Chokecherry	.15	1.25	1.15	1.10	1.00
Ptelea trifoliata, Common Hoptree.....	.15	1.00	.85	.75	
Pyrus see Cydonia, Sorbus and Fruits					
Quercus alba, White Oak .....		.35	.30	.25	.20
Quercus bicolor (platanoides) Swamp White Oak .....		.35	.30	.27	.25
Quercus coccinea, Scarlet Oak .....		.35	.30	.25	.20
Quercus falcata (Spanish O.) Southern Red Oak .....		.50	.40	.35	.25
Quercus ilicifolia (banisteri) Scrub Oak		.50	.40	.35	.25
Quercus macrocarpa, Mossycup Oak .....		.50	.40	.35	.25
Quercus palustris, Pin Oak .....		.50	.40	.35	.30
Quercus phellos, Willow Oak .....		.50	.40	.35	.30
Quercus prinus, Chestnut Oak .....		.50	.40	.35	.25
Quercus robur, English Oak .....		.50	.45	.35	.25
Quercus rubra, Common Red Oak .....		.25	.20	.18	.15
Quercus velutina (tinctoria) Black Oak		.50	.45	.35	2. 5
Rhamnus cathartica, Common Buckthorn	.25	2.00	1.90	1.85	1.75
Rhamnus frangula, Glossy Buckthorn ....	.25	2.00	1.90	1.85	1.75
Rhamnus purshiana, Cascara Buckthorn	.35	3.50			

One-quarter pound sold at pound rate, 10 pounds or over at 25 pound rate,  
25 pounds or over at 100 pound rate.

## DECIDUOUS TREES AND SHRUBS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
Rhodotypos kerroides, Jethead .....	.25	2.50	2.35	2.25	2.00
Rhus canadensis (aromatica) Fragrant Sumac .....	.15	2.00	1.85	1.75	
Rhus copallina, Shining Sumac .....	.15	1.00	.90	.85	.75
Rhus cotinus (Common Smoke-tree) Purple Fringe .....	.35	3.50	3.35	3.25	
Rhus glabra, Smooth Sumac .....	.15	.75	.65	.60	.50
Rhus typhina, Staghorn Sumac .....	.15	.75	.65	.60	.50
Ribes sanguineum, Winter Currant .....	.50	5.00			
Robinia pseudoacacia, Common Black or Yellow Locust .....	.15	1.00	.85	.75	.50
Romneya coulterii, Coulter Canyon poppy .....	1.00	10.00			
Rosa blanda, Meadow Rose .....	.15	1.25	1.15	1.00	
Rosa canina, Dogbrier (Clean) .....	.15	1.00	.85	.75	
Rosa carolina, see Palustris .....	.15	1.50	1.35	1.25	
Rosa humilis, Pasture Rose .....	.15	1.25	1.15	1.00	
Rosa lucida, Virginia Rose .....	.15	1.25	1.15	1.00	
Rosa multiflora japonica, Rose (Clean)..	.25	2.50	2.35	2.25	2.00
Rosa nitida, Bristly Rose .....	.15	1.25	1.15	1.00	
Rosa palustris (carolina) Swamp Rose....	.15	1.50	1.35	1.25	
Rosa rubiginosa, Sweetbrier .....	.15	1.50	1.35	1.25	
Rosa rugosa (Berries) .....	.15	1.50	1.35	1.25	
Rosa rugosa (Clean) .....	.25	2.50	2.35	2.25	2.00
Rosa setigera, Wild Prairie Rose .....	.15	1.50	1.35	1.25	1.00
Rosa wichuriana (Clean) .....	.50	5.00			
Salisburia, see Gingko .....	.15	1.00	.85	.80	.75
Sambucus canadensis, American Elder....	.20	1.25	1.15	1.10	1.00
Sambucus racemosus, European Red Elder.....	.25	2.25	2.15	2.10	2.00
Sassafras verifolium (officinale) Com- mon Sassafras .....	.15	1.25	1.15	1.10	1.00
Schinus molle, California Peppertree ....	.15	1.50	1.35	1.25	
Skimmia japonica, Japanese Skimmia.....	.50	5.00			
Sophora japonica, Chinese Scholartree....	.25	1.50	1.35	1.25	
Sorbus americana, American Mountain- ash .....	.25	1.50	1.35	1.25	1.00
Sorbus arbutifolia, see Aronia .....					
Sorbus aucuparia, European Mountain ash .....	.20	1.25	1.15	1.10	1.00
Staphylea bumalda, Bladdernut .....	.50	5.00			
Staphylea trifoliata, American Bladdernut	.25	2.50			
Stercula plantanifolia, Chinese Parsoltree	.25	2.50			
Stewartia pentagyna, Mountain Ash .....	.50	5.00			
Stewartia pseudocamellia, Japanese Ash	.75	7.50			
Styrax japonica, Japanese Snowbell .....	.25	2.50			
Styrax obassia, Fragrant Snowbell .....	.50	5.00			
Symphoricarpos racemosus, White Snow- berry .....	.25	2.00	1.75	1.50	
Symphoricarpos vulgaris (orbiculatus) Coralberry .....	.25	2.00	1.75	1.50	
Syringa japonica, Japanese Tree, lilac.....	.75	7.50			
Syringa vulgaris, Common Lilac (Pods)..	.20	1.25	1.15	1.10	1.00
Syringa vulgaris, Common Lilac (Clean)	.50	5.00	4.85	4.75	4.50

One-quarter pound sold at pound rate, 10 pounds or over at 25 pound rate,  
25 pounds or over at 100 pound rate.

## DECIDUOUS TREES AND SHRUBS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
<i>Syringa vulgaris</i> alba, White Lilac (Pods)	.30	2.50	2.35	2.25	2.00
<i>Taxodium distichum</i> , Common Bald cy- press .....	.25	1.50	1.35	1.25	1.00
<i>Thea sinensis</i> (Camellia thea) Tea .....	.25	2.00			
<i>Tilia americana</i> , American Linden .....	.15	1.50	1.35	1.25	1.15
<i>Tilia platyphyllus</i> , Bigleaf European Linden .....	.15	1.50	1.35	1.25	
<i>Tilia tomentosa</i> (argentea) Silverleaf Linden .....	.15	1.50	1.35	1.25	
<i>Tilia vulgaris</i> (europaea) Common Eu- ropean Linden .....	.15	1.50	1.35	1.25	
<i>Ulmus americana</i> , American Elm .....	.15	1.00	.85	.75	
<i>Ulmus campestris</i> , English Elm .....	.15	1.50	1.35	1.25	
<i>Ulmus glabra</i> (montana) Scotch Elm....	.15	1.50	1.35	1.25	
<i>Ulmus parvifolia</i> , Chinese Elm (Seed ready Dec. or Jan. ....)	.50	3.00			
<i>Ulmus pumila</i> , Dwarf Asiatic Elm (July, 1927) .....	.50	4.00			
<i>Vaccinium macrocarpa</i> (Cranberry) .....	3.00				
<i>Viburnum acerifolium</i> , Mapleleaf Vibur- num .....	.15	1.00	.90	.85	.75
<i>Viburnum americanum</i> (oxycoccos) Cran- berrybush .....	.15	1.50	1.35	1.25	
<i>Viburnum cassinoides</i> , Withe-rod .....	.15	1.50	1.35	1.25	
<i>Viburnum dentatum</i> , Arrowwood .....	.15	.75	.65	.50	
<i>Viburnum lantana</i> , Wayfaring-tree .....	.15	1.50	1.35	1.25	1.00
<i>Viburnum lentago</i> Nannyberry .....	.15	1.50	1.35	1.25	
<i>Viburnum nudum</i> , Smooth Withe-rod.....	.25	2.00	1.90	1.75	
<i>Viburnum odoratissimum</i> , Sweet Vibur- num .....	.40	4.00			
<i>Viburnum opulus</i> , European Cranberry- bush .....	.25	1.75	1.65	1.50	
<i>Viburnum prunifolium</i> , Blackhaw .....	.15	1.00	.90	.85	.75
<i>Viburnum sieboldi</i> .....	.50	5.00			
Walnut, see <i>Juglans</i> .....					

## VINES AND CLIMBERS

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
<i>Actinidia arguta</i> (Tara Vine) Bower A.	1.00	10.00			
<i>Akebia lobata</i> , Threelaf Akebia .....	.40	4.00	3.90	3.85	3.75
<i>Akebia quinata</i> , Fiveleaf Akebia .....	.40	4.00	3.90	3.85	3.75
<i>Ampelopsis quinquefolia</i> , Virginia Creeper	.30	2.00	1.85	1.75	1.50
<i>Ampelopsis tricuspidata</i> (veitchi) Boston Ivy (Berries) .....	.20	2.00	1.85	1.75	1.50
<i>Ampelopsis tricuspidata</i> (veitchi) Jap. Boston Ivy (Clean) .....	.25	3.00			
<i>Aristolochia siphon</i> , Dutchman's Pipe .....	.75	7.50			
<i>Aristolochia tomentosa</i> , Dutchman's Pipe	.35	3.50			
<i>Bignonia radicans</i> (Tecoma) Trumpet creeper .....	.35	3.50	3.35	3.25	
<i>Celastrus orbiculatus</i> (articulatus) Ori- ental Bittersweet.....	.50	5.00			

One-quarter pound sold at pound rate, 10 pounds or over at 25 pound rate,  
25 pounds or over at 100 pound rate.



## VINES AND CLIMBERS (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
Celastrus scandens (Wax-work) American Bittersweet (Berries) .....	.25	1.75	1.65	1.60	1.50
Celastrus scandens (Wax-work) American Bittersweet (Clean) .....	.35	3.50	3.35	3.25	3.00
Clematis flamula, Plume Clematis .....	.25	2.00	1.90	1.85	1.75
Clematis paniculata, Sweet Autumn Clematis .....	.35	2.50	2.35	2.25	2.00
Clematis texensis (coccinea) Scarlet Clematis .....	1.00				
Clematis virginiana, Virgins-bower .....	.50	5.00			
Clematis vitalba, Travelers-Joy .....	.25	2.00	1.85	1.75	
Clematis viticella, Italian Clematis .....	.25	1.50	1.35	1.25	
Hedera helix, English Ivy .....	.15	1.50	1.35	1.25	1.00
Hydrangea petiolaris (Scandens) Climbing Hydrangea .....	.75	7.50			
Passiflora incarnata, Maypop, Passion-flower .....	.25	2.50			
Pueraria thunbergiana, Kudzu Vine .....	.35	2.50			
Vitis coignetiae, Gloryvine .....	.40	4.00			
Wisteria frutescens (speciosa) American W. ....	.25	3.00	2.85	2.75	
Wisteria multi-juga, Longcluster Wisteria (Blue) .....	.40	4.00	3.85	3.75	3.50
Wisteria multi-juga, White .....	.50	5.00			
Wisteria sinensis (chinensis) Blue Chinese Wisteria .....	.25	2.25	2.00	1.90	1.75
Wisteria sinensis alba, White Chinese Wisteria .....	.50	3.50			

## FRUITS, NUTS AND VEGETABLES

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
Apple, French Crab .....	\$.15	\$1.25	\$1.15	\$1.10	\$1.00
Asparagus, Conover's Colossal .....		1.00	.75		
Asparagus, Giant Argentine .....		1.00	.75		
Asparagus, Palmetto or Eclipse .....		1.00	.75		
Asparagus, Mary Washington .....		4.00	3.75		
Asparagus, Pedigreed Washington .....		2.00	1.75		
Cherry, Mahaleb (Washed stones) .....	.15	1.25	1.15	1.10	1.00
Cherry, Mazzard (Washed stones) .....	.15	1.25	1.15	1.10	1.00
Chestnut, American .....		.75	.70	.65	
Chestnut, Japanese (Mammoth) .....		.75	.65	.55	.50
Chestnut, Spanish .....		.75	.65	.50	
Hazel Nut, American .....	.15	.75	.65	.55	.50
Hazel Nut, English .....	.15	.75	.65	.55	.50
Peach Pits .....		.25	.20	.15	.10
Peach Pits, Chinese Wild (davidiana) .....		1.50	1.45	1.25	1.00
Pear calleryana, Chinese Wild Pear .....	1.00	8.00			
Pear, French .....		3.50	3.35	3.25	3.00
Pear serotina, Late Japanese Pear .....		4.50	4.35	4.25	4.00
Pear, Japanese, ussuriensis .....		6.00	5.75	5.65	5.50
Plum, Myrobalan .....		1.00	.90	.85	.75
Quince, Cydonia oblonga .....	.35	3.50	3.35	3.25	3.00
Rhubarb, Victoria .....		1.50	1.40		

One-quarter pound sold at pound rate, 10 pounds or over at 25 pound rate,  
25 pounds or over at 100 pound rate.

## FRUITS, NUTS AND VEGETABLES (Continued)

	per oz.	per lb.	5 lbs. price per lb.	25 lbs. price per lb.	100 lbs. price per lb.
Shellbark, <i>Hicoria</i> .....		.25	.20	.18	.15
Walnut, Black .....		.20	.15	.12	.10
Walnut, Butternut .....		.25	.20	.18	.15
Walnut, English .....		.75	.65	.50	.45
Walnut, Japanese .....		.75	.65	.55	.50

## HARDY PERENNIALS

VARIETY	Color	Price per pkt.	Price per Tr.pkt.	Price per 1/4 oz.	Price per oz.
<i>Achillea millefolium rubra</i> , Yarrow.....	Magenta-red	\$.75	\$1.00	\$1.50	\$5.00
<i>Achillea ptarmica</i> , fl. pl. The Pearl.....	White	.25	.50	1.25	4.00
<i>Aconitum napellus aconite</i> , Monkshood.....	Blue	.25	.50	1.00	3.00
<i>Agrostemma</i> , see <i>Lychnis</i> .....					
<i>Althea rosea</i> , Allegheny Hollyhock.....	Mixed	.20	.25	.40	1.00
<i>Althea rosea</i> , Chater's Hollyhocks, Double.....	Maroon	.25	.30	.40	1.25
<i>Althea rosea</i> , Chater's Hollyhocks, Double.....	Red	.25	.30	.40	1.25
<i>Althea rosea</i> , Chater's Hollyhocks, Double.....	Salmon	.25	.30	.40	1.25
<i>Althea rosea</i> , Chater's Hollyhocks, Double.....	White	.25	.30	.40	1.25
<i>Althea rosea</i> , Chater's Hollyhocks, Double.....	Yellow	.25	.30	.40	1.25
<i>Althea rosea</i> , Chater's Hollyhocks, Double.....	Mixed	.15	.25	.40	1.00
<i>Althea rosea</i> , Single Hollyhock.....	Pink	.15	.25	.40	1.00
<i>Althea rosea</i> , Single Hollyhock.....	Red	.15	.25	.40	1.00
<i>Althea rosea</i> , Single Hollyhock.....	Rose	.15	.25	.40	1.00
<i>Althea rosea</i> , Single Hollyhock.....	White	.15	.25	.40	1.00
<i>Althea rosea</i> , Single Hollyhock.....	Mixed	.15	.20	.25	.75
<i>Alyssum saxatile compactum</i> , Goldentuft.....	Yellow	.10	.20	.25	.50
<i>Anchusa italica</i> , Dropmore.....	Blue	.15	.20	.25	.75
<i>Anemone coronaria</i> , Poppy Anemone.....	Mixed	.10	.20	.25	.60
<i>Anemone St. Brigid</i> , Semi-double.....	Fine Mixed	.25	.50	.75	2.50
<i>Anthemis tinctoria kelwayi</i> , Kelway Camomile.....	Yellow	.15	.25	.40	1.00
<i>Aquilegia caerulea</i> , Colorado Columbine.....	Blue & White	.25	.40	.60	2.00
<i>Aquilegia caerulea candidissima</i> , White Queen.....	White	.35	.50	1.25	4.00
<i>Aquilegia caerulea cuprea</i> , Copper Queen, new longspurred variety, copper red with long spurs of a darker hue.....		.50			
<i>Aquilegia caerulea delicatissima</i> , Longspurred .....	Rose & Yellow	.50	1.50	2.50	9.00
<i>Aquilegia caerulea rosea</i> , Rose Queen.....	Rose	.35	.50	1.25	4.00
<i>Aquilegia canadensis</i> , American Columbine .....	Scarlet & Yellow	.15	.40	.60	2.00
<i>Aquilegia chrysantha</i> , Golden Columbine.....	Yellow	.25	.40	.60	2.00
<i>Aquilegia chrysantha albablena</i> , Double Gold- en Columbine .....	Yellow	.35	.50	.75	2.50
<i>Aquilegia chrysantha</i> , Silver Queen.....	White	.40	.65	1.00	3.00
<i>Aquilegia flabellata nana-alba</i> , White Fan Col- umbine .....	White	.75	1.25	2.00	6.50
<i>Aquilegia formosa hybrida</i> , California Hybrids.....	Mixed	.25	.40	1.00	3.00
<i>Aquilegia haylodgensis</i> , Haylodge Columbine.....		.25	.50	1.00	3.50
<i>Aquilegia Long-spurred Hybrids</i> .....	Mixed	.25	.40	.75	2.00
<i>Aquilegia Mrs. Scott Elliott's Lon-spurred Hy- brids</i> .....	Mixed	.35	.60	1.00	3.00
<i>Aquilegia vulgaris</i> , Single European Columbine.....	Mixed	.10	.15	.20	.50
<i>Aquilegia vulgaris</i> , florepleno, Double Euro- pean Columbine .....	Mixed	.10	.15	.25	.60
<i>Arabis alpina</i> , Alpine Rockcress.....	White	.10	.15	.20	.40
<i>Armeria</i> , see <i>Statice</i> .....					
<i>Asclepija tuberosa</i> , Butterflyweed.....	Orange	.25	.40	.60	2.00

## HARDY PERENNIALS (Continued)

VARIETY	Color	Price per pkt.	Price per Tr.pkt.	Price per ¼ oz.	Price per oz.
<i>Asperula odorata</i> , Sweet Woodruff.....	White	.15	.25	.40	1.00
<i>Aster alpinus</i> , Rock Aster.....	Blue	.25	.40	.60	2.00
<i>Aster alpinus albus</i> .....	White	.25	.40	.60	2.00
<i>Aster</i> Large-flowered perennial varieties.....	Mixed	.35	.50	.75	2.50
<i>Baptisia australia</i> , Wild-indigo.....	Blue	.15	.25	.40	1.00
<i>Bocconia cordata</i> , Plumepoppy.....	White	.10	.15	.20	.50
<i>Boltonia asteroides</i> .....	White	.25	.40	.00	2.00
<i>Boltonia latisquama</i> .....	Lilac Pink	.15	.25	.50	1.50
<i>Campanula carpatia</i> , Carpathian Bellflower.....	Blue	.15	.30	.40	1.25
<i>Campanula carpatia alba</i> , Carpathian Bell- flower.....	White	.15	.30	.40	1.25
<i>Campanula medium</i> , Single Canterbury-bells.....	Blue	.10	.15	.25	.40
<i>Campanula medium</i> , Single Canterbury-bells.....	Pink	.10	.15	.25	.40
<i>Campanula medium</i> , Single Canterbury-bells.....	White	.10	.15	.25	.40
<i>Campanula medium</i> , Single Canterbury-bells.....	Mixed	.10	.15	.25	.30
<i>Campanula medium</i> , Double Canterbury-bells.....	Mixed	.15	.25	.40	1.00
<i>Campanula medium calycanthema</i> , Cup-and-Sau- cer Bellflower.....	Blue	.15	.30	.40	1.50
<i>Campanula medium calycanthema</i> , Cup-and-Sau- cer Bellflower.....	Pink	.15	.30	.40	1.50
<i>Campanula medium calycanthema</i> , Cup-and-Sau- cer Bellflower.....	White	.15	.30	.40	1.50
<i>Campanula medium calycanthema</i> , Cup-and-Sau- cer Bellflower.....	Mixed	.15	.25	.40	1.25
<i>Campanula persicifolia grandiflora</i> , Peachleaf B. Blue	Blue	.25	.50	1.25	4.00
<i>Campanula persicifolia grandiflora alba</i> , Peach- leaf Bellflower.....	White	.25	.50	1.25	4.00
<i>Campanula pyramidalis</i> , Chimney Bellflower.....	Blue	.15	.25	.40	1.00
<i>Campanula pyramidalis alba</i> , Chimney Bell- flower.....	White	.15	.25	.40	1.00
Candytuft see <i>Iberis</i> .....					
<i>Centaurea montana</i> , Mountain-bluet.....	Blue	.15	.20	.25	.75
<i>Centaurea montana alba</i> , Mountain-bluet.....	White	.25	.40	.60	2.00
<i>Cerastium tomentosum</i> , Snow-in-Summer.....	White	.15	.25	.40	1.00
<i>Chrysanthemum coccineum</i> ( <i>Pyrethrum roseum</i> ) Painted Lady.....	Pink	.40	.75	1.00	3.00
<i>Chrysanthemum coccineum hybridum</i> ( <i>Pyre- thrum</i> ) Painted Lady.....	Mixed	.25	.35	.50	1.50
<i>Chrysanthemum coccineum hybridum fl. pl.</i> ( <i>Pyrethrum</i> ) Double Painted Lady.....	Mixed	1.00	1.25	1.75	6.00
<i>Chrysanthemum Hardy Pompon</i> .....	Mixed	.25	.50	1.25	4.00
<i>Chrysanthemum Japanese Hybrids</i> .....	Mixed	.25	.50	1.25	4.00
<i>Chrysanthemum maximum</i> , King Edward VII.....	White	.15	.20	.25	.60
<i>Chrysanthemum maximum</i> , Shasta Daisy "Alas- ka".....	White	.25	.40	.60	2.00
<i>Chrysanthemum uliginosum</i> ( <i>Pyrethrum</i> ) Giant Daisy.....	White	.35	.50	.75	2.50
<i>Coreopsis grandiflora</i> , Big Coreopsis.....	Yellow	.05	.10	.15	.25
<i>Coreopsis grandiflora fl. pl.</i> , Double Big Coreop- sis.....	Yellow	.25	.35	.60	2.00
<i>Delphinium belladonna</i> , Larkspur.....	Light Blue	.25	.40	.60	2.00
<i>Delphinium belladonna</i> , Improved.....	Light Blue	.35	.60	1.00	3.50
<i>Delphinium bellamosum</i> , Larkspur.....	Blue	.35	.50	1.00	3.00
<i>Delphinium elatum</i> , Bee Larkspur.....	Navy Blue	.25	.40	.60	2.00
<i>Delphinium elatum hybridum</i> , Bee Larkspur Hybrids.....	Mixed	.25	.35	.50	1.25
<i>Delphinium elatum fl. pl.</i> , Double.....	Mixed	.35	.50	1.00	3.00

## HARDY PERENNIALS (Continued)

VARIETY	Color	Price per pkt.	Price per Tr.pkt.	Price per ¼ oz.	Price per oz.
Delphinium formosum, <b>Hardy Larkspur</b> .....	Dark Blue	.35	.50	1.00	3.00
Delphinium formosum coelestinum, <b>Skyblue Larkspur</b> .....	Skyblue	.75	1.00	1.50	5.00
Delphinium Gold Medal Hybrids.....	Mixed	.15	.25	.40	1.50
Delphinium grandiflorum chinense.....	White	.15	.20	.25	.75
Delphinium grandiflorum chinense album.....	Blue	.15	.20	.25	.75
Delphinium zaili (sulphureum) <b>Yellow Larkspur</b> .....	Yellow	.75	1.00	1.50	5.00
Dianthus barbatus, <b>Holborn Glory Sweet William</b> .....	Fine various colors	.10	.15	.25	.50
Dianthus barbatus, <b>Newport Pink, Sweet William</b> .....	Salmon Rose	.20	.30	.50	1.50
Dianthus barbatus, <b>Scarlet Beauty, Sweet William</b> .....	Scarlet	.15	.25	.40	1.00
Dianthus barbatus, <b>Velvety</b> .....	Black Maroon	.10	.15	.25	.50
Dianthus barbatus, <b>Single White Sweet William</b> .....	White	.10	.15	.25	.50
Dianthus barbatus, <b>Singled Mixed, All Colors</b> .....	Mixed	.05	.10	.15	.30
Dianthus barbatus, <b>Doubled Mixed, All Colors</b> .....	Mixed	.15	.20	.25	.60
Dianthus latifolius atrococcineus fl. pl., <b>Double Cluster Pinks</b> .....	Velvety Crimson	.15	.25	.40	1.00
Dianthus plumarius alwoodi, <b>New Perpetual Hardy Pink</b> .....	—100 seeds	\$1.25;	1000 seeds	\$8.50	
Dianthus plumarius nanus fl. pl., <b>Dwarf Double Pinks</b> .....	Mixed	.50	.75	1.00	3.00
Dianthus plumarius semperflorens, <b>Perpetual Pinks</b> .....	Mixed	.30	.40	.60	2.00
Dianthus plumarius, <b>Single Mixed Pinks</b> .....	Mixed	.15	.20	.25	.60
Dianthus plumarius, <b>Double Mixed Pinks</b> .....	Mixed	.20	.30	.50	1.50
Dicentra spectabilis, <b>Bleedingheart</b> .....	Rose —100 seeds	\$1.00;	1000 seeds	\$6.00	
Dictamnus fraxinella, <b>Gasplant</b> .....	Pink	.30	.40	.60	2.00
Dictamnus fraxinella alba, <b>Gasplant</b> .....	White	.30	.40	.50	1.50
Digitalis ambigua (grandiflora) <b>Yellow Foxglove</b> .....	Chrome Yellow	.15	.20	.25	.75
Digitalis purpurea, <b>Common Foxglove</b> .....	Purple	.10	.15	.20	.50
Digitalis purpurea alba, <b>Common White Foxglove</b> .....	White	.15	.20	.25	.60
Digitalis purpurea rosea, <b>Foxglove</b> .....	Rose	.15	.20	.25	.60
Digitalis purpurea gloxiniaeflora, <b>Foxglove</b> .....	Purple	.15	.20	.25	.75
Digitalis purpurea gloxiniaeflora, <b>Foxglove</b> .....	Rose	.15	.20	.25	.75
Digitalis purpurea gloxiniaeflora, <b>Foxglove</b> .....	White	.15	.20	.25	.75
Digitalis purpurea goxiniaeflora, <b>Foxglove</b> .....	All Colors Mixed	.10	.15	.20	.50
Digitalis purpurea goxiniaeflora, <b>Giant Shirley Enormous Flowers ranging from white to deepest rose</b> .....		.25	.40	.60	2.00
Digitalis purpurea maculata superba, <b>Leopard Foxglove</b> .....	Spotted	.15	.20	.25	.60
Digitalis purpurea monstrosa, <b>Mammoth Foxglove</b> .....	Mixed	.15	.20	.25	.75
Doronicum plantagineum excelsum <b>Showy Leopardbane</b> .....	Yellow	100 seeds	\$1.50;	1,000 seeds	\$10.00
Echinacea purpurea (Rudbeckia), <b>Coneflower</b> .....	Purple	.15	.25	.40	1.00
Eulalia, <b>Ornamental Grasses, see Miscanthus</b>					
Eupatorium aromaticum melissoides (fraseri).....	White	.15	.20	.25	.75
Eupatorium urticaefolium (ageratoides).....	White	.15	.20	.25	.75
Gaillardia aristata (grandiflora) <b>Compacta Blanket Flower</b> .....		.10	.20	.25	.60

## HARDY PERENNIALS (Continued)

VARIETY	Color	Price per pkt.	Price per Tr.pkt.	Price per ½ oz.	Price per oz.
Gaillardia aristata sanguinea (grandiflora sanguinea), Goldseam Red.....	Red	.20	.25	.40	1.00
Gaillardia aristata (grandiflora) Superb Mixed.....	Mixed	.10	.15	.25	.60
Gaillardia kermesina splendens, Yellowedge.....	Mixed	.15	.20	.25	.75
Geum atrosanguineum fl. pl., Avens.....	Crimson	.25	.30	.50	1.50
Geum atrosanguineum, Mrs. Bradshaw, Large.....	Double Red	.50	.75	1.00	3.00
Gypsophila paniculata, Babysbreath.....	White	.10	.15	.20	.40
Gypsophila panicula fl. pl., Double Babysbreath.....	White	.75	1.00	1.25	4.00
Helenium autumnale superbum, Great Sneezeweed.....	Golden Yellow	.15	.25	.40	1.00
Helenium Riverton Beauty.....	Lemon Yellow	.15	.25	.40	1.50
Helenium, Riverton Gem.....	Old Gold & Red	.15	.25	.40	1.50
Helianthemum mutabile, Fickle Sunrose.....		.15	.20	.25	.75
Helianthus, Perennial varieties.....	Mixed	.20	.30	.40	1.00
Heliopsis pitcheriana, Pitcher Heliopsis.....	Golden Yellow	.15	.20	.25	.60
Heliopsis scabra zinniaeflora, Zinnia Heliopsis.....	Golden Yellow	.25	.35	.50	1.50
Hesperis matronalis, Sweet Rocket.....	Purple	.10	.15	.20	.50
Heuchera sanguinea, Coralbells.....		1.00	1.50	2.50	9.00
Hibiscus crimson-eye, Rosemallow.....	White & Crimson	.15	.20	.25	.50
Hibiscus moscheutos, Common Rosemallow.....	Pink	.15	.20	.25	.50
Hibiscus New Giant, Rosemallow.....	Dark Red	.15	.20	.25	.75
Hibiscus New Giant, Rosemallow.....	Pink	.15	.20	.25	.75
Hibiscus New Giant, Rosemallow.....	Pure White	.15	.20	.25	.75
Hibiscus New Giant, Rosemallow.....	Mixed	.10	.15	.25	.60
Hollyhock, see Althea rosea					
Iberis gibraltarica, Gibraltar Candytuft.....	Lilac White	.15	.25	.40	1.00
Iberis sempervirens, Evergreen Candytuft.....	White	.40	.60	1.00	3.00
Iris germanica, German Iris.....	Mixed	.15	.20	.25	.60
Iris kaempferi, Japanese Iris.....	Mixed	.10	.15	.25	.50
Lathyrus grandiflorus albus, White Pearl, Everlasting Pea.....	White	.25	.30	.50	1.50
Lathyrus latifolius, Perennial Pea.....	Crimson	.15	.20	.25	.75
Lathyrus latifolius, Perennial Pea.....	Mixed	.10	.15	.20	.50
Lathyrus latifolius albus, Perennial Pea.....	White	.25	.30	.50	1.50
Lathyrus latifolius roseus, Perennial Pea.....	Pink Beauty	.15	.20	.25	.75
Lavandula officinalis (vera) True Lavender.....	Lavendar	.15	.20	.25	.75
Liatris, Blazingstar or Gayfeather.....	Mixed	.15	.20	.25	.75
Lilium auratum, Goldband Lily.....	White-Spotted Crimson	.25	.30	.50	1.50
Lilium regale, Royal Lily.....	White	.75	1.00	1.50	5.00
Limonium latifolium (Statice latifolia) Sea Lavender.....	Blue	.20	.30	.40	1.25
Linaria cymbalaria, Kenilworth Ivy.....		.25	.30	.50	1.50
Linum perene, Perennial Flax.....	Blue	.10	.15	.20	.40
Lobelia cardinalis, Cardinal Flower.....	Scarlet	.50	.75	1.25	4.00
Lupinus arboreus, New Hybrids, Tree Lupine.....	Yellow	.25	.40	.60	2.00
Lupinus polyphyllus, Washington Lupine.....	Blue	.10	.15	.20	.40
Lupinus polyphyllus albus, Washington Lupine.....	White	.10	.15	.20	.40
Lupinus polyphyllus, Golden Spire.....	New Rich Yellow	.50	.75	1.00	3.00
Lupinus polyphyllus moerheimi.....	Light & Dark Pink	.15	.25	.40	1.00
Lupinus polyphyllus roseus, Blush Lupine.....	Pink	.10	.20	.25	.75
Lupinus polyphyllus, Finest Mixed Lupine.....	Mixed	.10	.15	.20	.50
Lynchis chalcidonica, Maltese Cross.....	Scarlet	.10	.15	.20	.50
Lynchis coronaria (agrostemma coronaria) Rose Campion.....	Crimson	.10	.15	.20	.25
Lynchis coronaria alba, Rose Champion.....	White	.10	.15	.20	.25

## HARDY PERENNIALS (Continued)

VARIETY		Color	Price per pkt.	Price per Tr.pkt.	Price per ¼ oz.	Price per oz.	
Lychnis haageana, Haage Campion.....	Mixed		.25	.40	.60	2.00	
Lychnis viscaria splendens, Clammy Campion.....	Rose-Red		.10	.15	.20	.50	
Miscanthus sinensis (Eulalia Japonica) Orna- mental Grass.....			.15	.20	.25	.60	
Miscanthus sinensis zebrina (Eulalia) Golden Golden Grass.....			.15	.20	.25	.60	
Myosotis scorpioides (palustris) True Forget- me-not.....	Blue		.25	.40	.60	2.00	
Myosotis scorpioides (palustris) semperflorens, Dwarf Perpetual Forget-me-not.....			.25	.40	.60	2.00	
Paeonia albiflora, Chinese Peony.....	Mixed		.15	.20	.25	.75	
Paeonia suffruticosa (moutan) Tree Peony.....	Mixed		.25	.30	.40	1.00	
Papaver nudicaule sulphureum, Iceland Poppy.....	White		.15	.25	.40	1.00	
.....	Soft Yellow		.15	.25	.40	1.00	
Papaver nudicaule, New Hybrids, Iceland Poppy.....	Mixed		.25	.40	.60	2.00	
Papaver nudicaule, Single Iceland Poppy.....	Mixed		.20	.25	.40	1.00	
Papaver nudicaule, Double Iceland Poppy.....	Mixed		.25	.40	.60	2.00	
Papaver orientale, Oriental Poppy.....	Dark Red		.15	.20	.25	.75	
Papaver orientale, Mrs. Perry, Oriental Poppy .....	Salmon Pink		.35	.50	1.00	3.00	
Papaver orientale Oriflamme, Oriental Poppy .....	Orange Scarlet		.25	.40	.60	2.00	
Papaver orientale, Princess Victoria, Oriental P.	Salmon		.40	.60	1.00	3.00	
Papaver orientale, Royal Scarlet Oriental Pop- py.....	Large Scarlet		.25	.40	.60	2.00	
Papaver orientale hybrids, Oriental Poppy.....	finest Mixed		.15	.25	.40	1.00	
Pentstemon, New Hybrids Mixed.....			.25	.40	.60	2.00	
Phlox paniculata (decussata) Garden Phlox.....	Mixed		.75	1.00	1.50	5.00	
Physalis francheti, Chinese Lantern Plant.....			.15	.20	.25	.75	
Physostegia virginiana, False-Dragonhead.....	Pink		.20	.25	.40	1.25	
Physostegia virginiana alba, False-Dragonhead.....	White		.20	.25	.40	1.25	
Platycodon grandiflorum, Balloonflower.....	Steel-blue		.15	.20	.25	.75	
Platycodon grandiflorum album, Balloonflower.....	White		.25	.30	.50	1.50	
Platycodon grandiflorum mariesi, Marie Balloon- flower, Dwarf.....	Violet Blue		.25	.40	.60	2.00	
Polemonium caeruleum, Greek-Valerian.....	Sky Blue		.10	.15	.20	.50	
Poppy, see Papaver.....							
Primula acaulis (vulgaris) English Primrose .....	True Canary Yellow		.50	.75	1.00	3.00	
Primula auricula, Auricula.....	Prize Mixed		.50	.75	1.00	3.00	
Primula elatior, Oxlip Primrose.....	Mixed		.25	.40	.60	2.00	
Primula japonica, Japanese Primrose.....	Mixed		.35	.50	.75	2.00	
Primula veris (officinalis) Cowslip.....	Mixed		.35	.50	1.00	3.00	
Primula veris (officinalis) Cowslip.....							
.....	Finest perpetual long blooming		Mixed	1.00	1.25	1.75	6.00
Pyrethrum roseum, see Chrysanthemum coccineum							
Rudbeckia purpurea, see Echinacea							
Rudbeckia speciosa (newmanni) Showy Cone- flower.....	Yellow		.15	.25	.40	1.00	
Salvia azurea grandiflora, Great Azure Sage.....	Sky Blue		.50	.75	1.00	3.00	
Salvia farinacea, Mealycup Sage.....	Blue		.25	.35	.40	1.50	
Scabiosa caucasica, Caucasian Scabiosa.....	Lavender-blue		.50	.75	1.00	3.00	
Scabiosa caucasica alba, Caucasian Scabiosa.....	White		1.00	1.50	1.75	6.00	
Scabiosa japonica, Japanese Scabiosa.....	Lavender-blue		.10	.15	.20	.50	
Statice armeria (Armeria) Common Thrift.....			.15	.30	.50	1.50	
Statice latifolia, see Limonium latifolium							

## HARDY PERENNIALS (Continued)

VARIETY	Color	Price per pkt.	Price per Tr.pkt.	Price per ¼ oz.	Price per oz.
Stokesia laevis (cyanea) Cornflower Aster.....	Blue	.20	.25	.40	1.25
Stokesia laevis (cyanea) alba, Cornflower Aster	White	.50	.75	1.00	3.00
Sunflower, see Helianthus					
Sweet Rocket, see Hesperis					
Sweet Williams, see Dianthus barbatus					
Thalictrum aquilegifolium, Columbine Meadow- rue.....	Mixed	.25	.30	.50	1.50
Thalictrum dipterocarpum, Yunnan Meadowrue .....	Violet-Mauve	.50	.75	1.00	3.00
Thalictrum minus adiantifolium, Maidenhair Meadowrue.....	White	.75	1.00	1.50	5.00
Tritoma hybrida, Finest New Hybrids.....	Mixed	.20	.30	.50	1.50
Trollius, Finest Mixed Hybrids.....	Mixed	1.00	1.25	1.75	6.00
Tunica saxifraga, Tunicflower.....	Pink	.10	.15	.20	.50
Valeriana officinalis, Common Valerian.....	Rosy White	.10	.15	.20	.50
Valeriana officinalis rubra, Red Valerian.....	Red	.10	.15	.20	.50
Veronica longifolia, Beach Speedwell.....	Blue	.20	.25	.40	1.00
Veronica spicata, Spike Speedwell .....	Blue	.25	.30	.50	1.50

## PALMS AND DECORATIVE PLANTS

**PALMS AND DECORATIVE PLANT SEEDS** should be sown just as soon after ripening as possible. The seeds should be sown thickly in shallow boxes of light soil, mixed with about the same quantity of leaf mold. You will note that the approximate date of delivery is given, as orders must be received in advance, on account of the seeds being collected from all parts of the world.

**ARAUCARIA ESCELSIA**, (Norfolk Island Pine) (January or February): The variety mostly used in greenhouses and is grown in many nurseries in large quantities for window and table decoration. It is hardy in southern Florida. 100 seeds at \$2.00; 1000 seeds at \$15.00.

**ARAUCARIA IBRICATA**, (Monkey Puzzle Tree) (January or February): This is the hardest Araucaria and is rarely seen in greenhouses. A striking tree of pyramidal habit, branches generally in fives, at first horizontal, with upward-curving (sometimes downward-curving) tips, but finally becoming very much deflexed. 100 seeds at \$2.00; 1000 seeds at \$15.00.

**ARCEA LUTESCENS**, see Chrysalidoparpus.

**BRAHEA**, see Washingtonia.

**CHAMAEROPS**, see Thrachycarpus.

**CHRYSLIDOPARPUS LUTESCENS**, (Areca), Yellow Areca. Its pinnate leaves are glossy green and gracefully arched on slender yellow stems, making it one of the most beautiful for house decoration. 100 seeds at \$1.00; 1000 seeds at \$8.00.

**COCOS AUSTRALIS** (Pindo Palm) (November or December): In general habit similar to Phoenix Canariensis with glaucous green recurved leaves. It is the one best known in California. 100 seeds at \$1.25; 1000 seeds at \$7.50.

**COCOS PLUMOSA** (November or December): One of the best for southern Florida. Somewhat resembles the Royal Palm. It is rapid growing, with slender trunk, crowned with graceful pinnate leaves. One of the best for street planting. 100 seeds at \$1.50; 1000 seeds at \$10.00.

## PALMS AND DECORATIVE PLANTS (Continued)

- COCOS WEDDELIANA** (January or February): The most graceful and elegant of Palms. The stems are slender and erect and are freely furnished with rich green, graceful, arching leaves. 100 seeds at \$2.00; 1000 seeds at \$17.50.
- DRACAENA INDIVISA** (October and April): This is a rapid grower and is the popular plant for center of vases, with long narrow, graceful foliage. Seeds of the Dracaenas are sent out in the berry or hull, which should be rubbed off before sowing. \$.50 per ounce; \$1.50 per  $\frac{1}{4}$  lb.; \$5.00 per lb.
- HOWEA (KENTIA) BELMOREANA** (August or September): One of the hardiest palms in cultivation, of slow growth and dwarf spreading habit, with fine dark green foliage, and, like all of the Kentias, are less affected by the dust and dry atmosphere of the house. 100 seeds at \$5.00; 1000 seeds at \$40.00.
- HOWEA (KENTIA) FORSTERIANA** (August or September): This is a splendid variety and is very similar to the above; it grows faster with broader, heavier foliage. 100 seeds at \$4.00; 1000 seeds at \$35.00.
- KENTIA**, see Howea.
- LANTANIA BORBONICA**, see *Livistonia sinensis*.
- LIVISTONIA SINENSIS (LANTANA) CHINESE FAN PALM** (October and January): A hardy and very ornamental palm with large fan-shaped leaves. It is well adapted for either indoor or outdoor (in warm climates) decorative purposes. 100 seeds at \$1.00; 1000 seeds at \$7.00.
- PHOENIX CANARIENSIS** (November or December): This is one of the best and well known palms. It is hardy and especially fine for lawn and avenue planting. It has long dark leaves and a massive trunk and makes a rapid growth when planted in rich, moist soil. 100 seeds at \$.25; 1000 seeds at \$1.50.
- PHOENIX ROEBELINI** (November or December): This palm has become very popular for room decoration. It is most graceful of the Phoenix and is hardy as a Kentia, of vigorous growth, graceful, recurving, finely cut leaves. 100 seeds at \$1.50; 1000 seeds at \$14.00.
- SABAL PALMETTO, CAROLINA PALM** (November-January) This makes a beautiful tree when cultivated and given plenty of room to grow. It will thrive even in sandy soil, but is greatly improved by cultivation. It can be grown outdoors from Charleston southward. 100 seeds at \$1.00; 1000 seeds at \$7.50.
- TRACHYCARPUS EXCELSA (CHAMAEROPS) WINDMILL PALM** (November or December): This is one of the hardiest palms known; heavy winds do not injure the leaves and it will stand several degrees of frost. It is one of the best palms for street planting. \$.25 per ounce \$2.50 per pound.
- WASHINGTONIA (BRAHEA) FILIFERA (CALIFORNIA FAN PALM)**: (December or January): The common Fan Palm of California. Trunk attains a diameter of four feet. Leaves fan-shaped, with numerous divisions and whitish filaments. \$.25 per ounce; \$2.50 per pound.
- WASHINGTONIA (BRAHEA) ROBUSTA**: Hardy, quick-growing palm, well adapted to Florida and the Gulf States. Its massive trunk is crowned with giant, fan-shaped, bright green leaves, with less filaments than the preceding variety. This is the palm now so largely used for street planting. \$.50 per ounce; \$3.50 per pound.



## STEELE'S MASTODON PANSY SEED

TEELE'S Mastodon Pansy seed, as you know, produces a well balanced, wide range of colors. They bloom extra early in the spring and will germinate to your entire satisfaction. This seed comes direct from Steele's Pansy Gardens.

Here are a few hints from Mr. Steele on preparing beds for germinating the seed:—

1. Have your ground perfectly clean and free of weeds and trash, pulverized to a depth of six or more inches.
2. On the level surface spread evenly a layer of pulverized manure, barnyard scrapings preferred, to a depth of at least one inch.
3. Overlay manure with half-inch of the best soil you have, thoroughly pulverized.
4. Roll or rake down and tamp surface true and smooth.
5. Use the hose freely and soak down the bed several inches.
6. Sow the seed broadcast or in drills—we sow broadcast.
7. Cover lightly as possible with your best soil or sand. Sand is best.
8. Use spray of water to moisten surface.
9. Allowing plenty of ventilation, keep your beds moist, quite moist, but not soaking wet, until plants come up.

We use unbleached sheeting, cheapest grade, to retain moisture. As soon as plants begin to appear freely, we remove sheeting permanently and sift tops of beds with thin layer of barnyard scrapings. Water young seedlings sparingly to avoid dampening off.

Never allow your beds to become dry. Any dryness after seeds sprout is absolutely fatal. These directions are for sowing in the open field, but will apply when sowing in flats or cold frames. We use 60 to 75 square feet to sow an ounce of seed.

When possible, alternate your pansy crop with some other crop.

Steele's Mastodon Miracle Mixed is a most popular strain which includes white, dark center, dark blue center and light blue center, pure white, black, Burgundy red, lavender, violet, light blue, bronze roval purple, rose, cerise red, red with silver rim, mahogany, yellow, wine colored, red and gold, lavender and gold, henna red, new, some ruffled types with a dozen or more variations in each color, in size measuring up to three and seven-eighths inches in diameter.

Price: 1-16 oz., 85c.; ½ oz., \$1.50; ¼ oz., \$2.75; ½ oz., \$5.25; 1 oz., \$10.00; 2 oz., \$19.00; 4 oz., \$36.00.

Mile. Irene. New. A shade never before known to pansies. A henna red, and in every other respect a grand flower with a long, strong stem.

Price 1-16 oz., \$1.00; ½ oz., \$1.75; ¼ oz., \$3.25; ½ oz., \$6.25.

Steele's Mastodon Striata—Our Novelty. Of great size and varied types, mostly dark and rose pink shades, mottled and beautifully striped in true sun-burst fashion.

Price: 1-16 oz., 85c.; ½ oz., \$1.50; ¼ oz., \$2.75; ½ oz., \$5.25.

Steele's Mastodon Special. Highly recommended.

Price: 1-16 oz., 65c.; ½ oz., \$1.00; ¼ oz., \$1.75; ½ oz., \$3.25; 1 oz., \$6.00; 3 oz., \$16.00; 4 oz., \$21.00.

## ENGLISH DOUBLE DAISY

(Bellis Perennis)

## EXTRA LARGE FLOWERS

	Per Tr. Pkt.	Per Oz.
Monstrosa Pink .....	.50	3.00
Monstrosa White .....	.50	3.00
Monstrosa Mixed .....	.50	2.50
Longfellow Large Pink .....	.40	2.00
Double Mixed .....	.30	1.50

## CYCLAMEN SEED

Finest German Strain. Grown by Ed. Trunk. 100 1000  
SEEDS SEEDS

Rose of Marienthal. Soft rose, carmine eye. ....	\$1.50	\$10.00
Perle of Zehlendorf. Dark salmon. ....	1.75	12.00
Glowing Red. ....	1.50	10.00
Bright Rose. With eye. ....	1.50	10.00
Rosa of Zehlendorf. Salmon pink. ....	1.75	12.00
Lilac. ....	1.50	10.00
White with Carmine Eye. ....	1.50	10.00

## LILY BULBS (New Crop)

The Japanese Bulbs such as Auratum and Speciosums arrive usually early in November, while the other varieties can be delivered in October.

	per Doz.	per 100
Auratum. Golden banded, favorite hardy lily for outside planting. 9 to 11 inches. ....	\$3.50	\$22.00
Regale. Wonderful large fragrant white flowers with slight pink and other colored stripes on lower petals. ....	6.00	40.00
Speciosum Album. Pure white, hardy, 9 to 11 inches. ....	5.00	40.00
Speciosum Magnificum. Rich crimson, hardy, 9 to 11 inches. . .	3.50	20.00
Speciosum Rubrum. Pink spotted with white margin, 9 to 11 inches. ....	3.50	20.00
Speciosum Tigrinum (Tiger Lily). Single. ....	1.50	10.00
Speciosum Tigrinum (Tiger Lily). Double. ....	2.00	15.00



## Red Spider Control

Red Spider is probably the most general and persistent pest nurserymen have to contend with. It usually follows dry growing conditions of the plants. Most growers have found this pest extremely difficult to control, either out of doors or under glass. In some sections it is the limiting factor for growing certain plants. Practically all commercial plants are liable to the pest.

Sulphur or some of the sulphur compounds have been used for Red Spiders in the past. Control with this material was not efficient or satisfactory for two reasons. First, only a partial control is obtainable, and second, many plants cannot stand sulphur or sulphur compounds. Many evergreens show very serious burn after use of lime sulphur.

VOLCK is the most efficient spray on the market for the control of the Red Spider.

### Recommendations for Control

1. Have plants in good cultural condition as to water and plant food.
2. Use 1 part of VOLCK to 75-100 parts of water. The addition first of a little soap to the water may aid in securing an even spread on rough foliage.
3. Apply as a fine yet drenching spray. Thoroughly cover all parts of each plant, particularly the underside of the foliage.

### Strengths of VOLCK to Use.

Red spiders, mites, white flies—Use one gallon of VOLCK to make 100 gallons of dilute spray. Two and one-half table-spoons of VOLCK will make one gallon of dilute spray.

Scales, mealy bugs, caterpillars—Use 2 to 3 gallons of VOLCK to make 100 gallons of dilute spray. Five to seven and one-half tablespoons of VOLCK will make one gallon of dilute spray. On palms and allied plants, use one gallon to make 100 gallons of dilute spray.

Aphis, thrips—Use one gallon of VOLCK and half pint nicotine sulphate to make 100 gallons of spray. Two and one-half tablespoons of VOLCK will make one gallon of dilute spray.

Prices of VOLCK: Half-pint cans, 30c; 1 pint, 40c; 1 quart, 60c; 1 gal., \$1.25; 5 gals., \$5.00; 30 gals. (½ bbl.), \$18.00; 50 gals., (1 bbl.), \$25.00.

# The Premier Seed Disinfectants



Produce Sturdier Plants—Improve Quality  
Control Diseases—Hasten Germination  
Increase Crop Yields

## Semesan Semesan Jr. Semesan Bel



**SEMESAN**—This modern disinfectant can be applied in either the liquid or convenient dust form to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, seed pieces, plants, grafts and soils. Semesan is harmless to seed and plant life but extremely poisonous to disease and fungous organisms. It generally also hastens germination, produces sturdier plants, promotes earlier maturity and increases both the quantity and quality of crop yields.

**SEMESAN JR.**—A less expensive but equally effective form of Semesan for the dry dust disinfection of both field and sweet corn seeds against the ear, root and stalk rots. Under Government-conducted field tests, with *Diplodia* and *Gibberella* infected seeds, Semesan Jr. successfully prevented or controlled these diseases and at the same time increased the yields from 10 to over 40%.

**SEMESAN BEL**—Applied to whole or cut seed potatoes, either as a dry powder or a whitewash-like water mixture, Semesan Bel will prevent or control the common seed-borne potato diseases. In widely separated potato-growing sections it has caused quicker sprouting, earlier maturity and greater yields.

Prices for Du Pont Semesan: 2 ozs., 50c; 8 ozs., \$1.60; 1 lb., \$2.75; 5 lbs., \$13.00; 25 lbs., \$62.50; 50 lbs., \$122.50; 100 lbs., \$240.00; 350 lbs., \$822.50.

Prices for Semesan Jr. and Semesan Bel: 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$37.50; 100 lbs., \$140.00.

### OPINIONS OF EXPERIENCED USERS

Semesan is recognized by the U. S. Department of Agriculture and the Green Section of the U. S. Golf Association as the best fungicide for preventing and curing both large and small "Brown Patch" of grasses.

In Southern Idaho, Semesan-treated beans, with their 20 to 40% increased yields, so convinced prominent growers that they unite in saying they: "will always use Semesan for treating bean seeds, as well as their other crops."

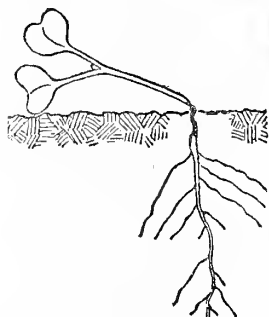
Florists write us such tributes as: "We used Semesan on poinsetta cuttings last summer with excellent results;" and "My Semesan-treated aster seeds gave an almost perfect stand as nearly every seed germinated."

The U. S. Department of Agriculture's Circular No. 376 recommends treatments with Semesan as the most successful means known for preventing and controlling the "Crown Gall" disease of apple grafts.

The U. S. Department of Agriculture, in collaboration with the Illinois and Iowa State Experiment Stations, demonstrated that Semesan Jr. was a most effective dust disinfectant for controlling the diseases and increasing the yields obtained from infected field and sweet corn yields.

The Idaho Agricultural Experiment Station reported that Semesan Bel: "—when applied to the uncut presprinkled tubers (potatoes) at the rate of three ounces to the bushel gave better control under field conditions than any other treatment tested."

**Semesan Disinfectants Make Good Seeds Grow Better—Send for Booklets**



# DAMPING-OFF

of your seedlings is caused by various disease-producing soil organisms, attacking the stem at or near the surface of the ground. Often the lesion originates just below the surface of the soil. As a result, the tender tissues disintegrate, and the plantlet falls over and dies. Root rot may occur instead of damping-off.

Hitherto, plantsmen have attempted to control these adverse conditions by soil treatment with ordinary chemicals such as corrosive sublimate and formaldehyde, but as a rule these chemicals have done more harm than good because of their high toxicity, which injures or kills higher plant life.

Therefore, Bayer's discovery of the control of plant diseases with organic mercury compounds has been welcomed. Authorities advise soil treatment with USPULUN.



Showing extreme case of damping-off in cabbage. To right, soil untreated—almost all plants killed. To left, soil treated—stand very satisfactory.

USPULUN is superior to ordinary chemicals because of its selective action in destroying disease-producing fungi without injuring higher plant life. The host plants, freed from disease, are restored to full vigor. Therefore:

## Larger Yields from Smaller Fields

Write for the "Bayer Manual on Modern Plant Disease Control," and enlist the free advice and assistance of our scientists in solving your problems.

Uspulun is sold as follows: 2-oz. tins, 50c; 8-oz. tins, \$1.60; 1-lb. tins, \$2.75; 5-lb. tins, \$13.00; 25-lb. tins, \$62.50.

## FERTILIZERS

This list of Fertilizers should have your careful consideration in preparing your seed beds.

Prices are f. o. b. Germantown.

**Bone Meal:** The fertilizer for all purposes, as it contains two very rich and important plant foods; namely, nitrogen and phosphoric acid. 5 lbs., 30c; 10 lbs., 55c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$3.50; 200 lbs., \$6.50; ½ ton (1000 lbs.), \$30.00; 1 ton (2000 lbs.), \$55.00.

**Granulated Peat:** This is invaluable for all kinds of propagating work. It adds nitrogen to the soil and is used for striking cuttings; fine for potting rooted cuttings. Will lighten heavy soil and excellent for top dressing of lawns. For propagating and growing Azaleas and Rhododendrons you will find the best results will be secured. It comes in burlap bales about 39x26x19 inches. 1 to 10 bales, \$4.00 per bale; 10 to 25 bales, \$3.90 per bale; 25 bales or over, \$3.75 per bale.

**FERTILIZERS (Continued)**

**Humus (Alphano Prepared).** Humus should always be liberally mixed with the soil when preparing your hot-beds or seed-beds. It lightens heavy soil and makes it more porous. It is especially good for starting seeds and bulbs, as it cannot burn or injure plants. It is an excellent top dress for lawns. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 75c; 100 lbs., \$1.50; 500 lbs., \$7.00; ½ ton (1000 lbs.), \$13.00; 1 ton (2000 lbs.), \$22.00. (Special prices on car-lots in bulk.)

**Sheep Manure (Wizard Brand):** A pulverized and natural manure. Nothing surpasses it for mixing with the soil as it has all the necessary plant food requirements and gives immediate results. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.50; 500 lbs., \$16.00; ½ ton (1000 lbs.), \$27.50; 1 ton (2000 lbs.), \$52.50.

**Wood Ashes (Canadian Hardwood):** An excellent fertilizer for all crops that require potash. It will give a rich green to lawns, keep away worms, hold moisture and give strength to the roots of the grass. Fine for mixing with potting soil. 25 lbs., 85c; 50 lbs., \$1.50; 100 lbs., \$2.50; ½ ton (1000 lbs.), \$20.00; 1 ton (2000 lbs.), \$37.50.

**INSECT DESTROYERS**

**Arsenate of Lead (Powdered):** The best spray to destroy leaf-chewing insects, and also prevents the codling moth destroying fruit. 1 to 1½ lbs. dilutes to 50 gallons of water or can be used dry like Paris Green. 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.25; 50 lbs., \$12.00; 100 lbs., \$22.50.

**Black Leaf 40:** An excellent concentrated nicotine solution for aphids, thrip and especially effective against red spider by using 1 lb to 160 to 400 gallons of water and by adding 3 to 4 pounds of whale or fish oil soap to each 100 gallons of the solution. 1-ounce bottle, 35c; per doz., \$3.00; ½ lb., \$1.25; 2 lbs., \$3.50; 10 lbs., \$13.50.

**Fish Oil Soap (Good's Caustic):** 1 pound to 10 gallons of water. Spray evergreens by adding Black Leaf 40 for Red Spider. A summer remedy for San Jose Scale. An excellent wash and spray for greenhouse plants. 1 lb., 25c; 5 lbs., \$1.00; 25 lbs., \$3.50; 50 lbs., \$6.50; 100 lbs., \$9.00.

**Lime Sulphur:** An excellent winter spray for scale or fungus diseases that attack trees, shrubs and fruits. 1 gal., \$1.00; 5 gals., \$3.75; ½ bbl., (30 gals.), \$9.50; per bbl. (50 gals.), \$13.50.

**Pruning Compound:** A prepared paint to be used when pruning trees. 1 quart, 75c; 1 gal., \$1.50; 5 gals., \$6.25; 25 gals., \$25.00; 50 gals., \$37.50.

**Scalecide:** Spray your fruit, your trees and shrubs for the destruction of San Jose Scale and you will get good results. It is a winter or early spring spray and must be used when the trees are dormant. 1 gal. to 20 gallons of water. Per quart, 55c; 1 gal., \$1.40; 5 gals., \$5.75; 10 gals., \$10.00; 30 gals., \$26.00; 50 gals., \$37.50.

**Sulfocide:** An excellent and effective spray against fungus diseases of fruits, vegetables, trees, shrubs and flowers. Can be used with arsenate of lead which makes a combined fungicide and insecticide. 1 gallon to 200 gallons of water. 1 pint, 50c; 1 quart, 75c; 1 gal. \$2.25; 5 gals., \$8.75; 30 gals., \$39.00.

**Sulphur (Powdered):** For mildew. 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 100 lbs., \$6.50.

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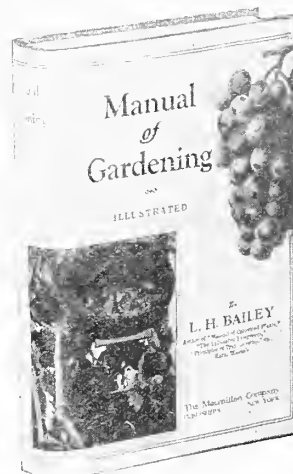
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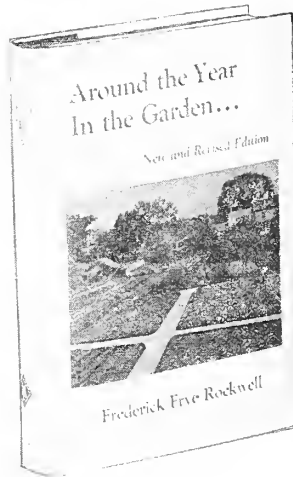
Arranged as a weekly calendar, the book suggests a definite gardening plan and indicates the best time and place for every operation and plant. It is readily adaptable to any season or locality.

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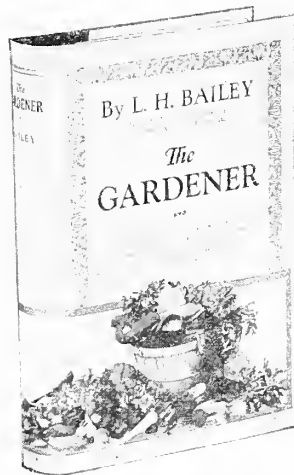
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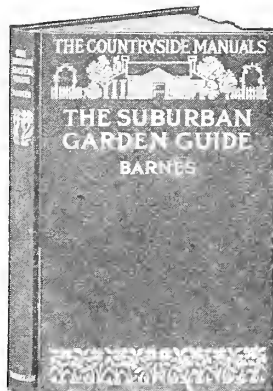
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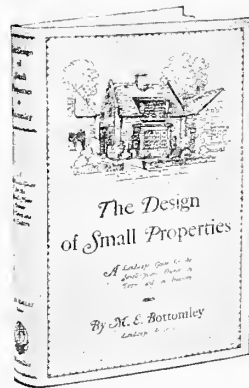
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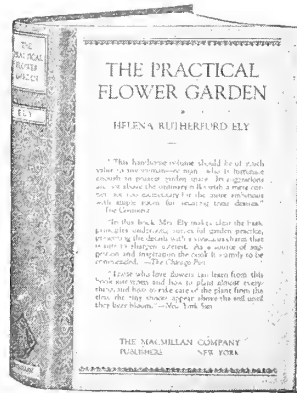
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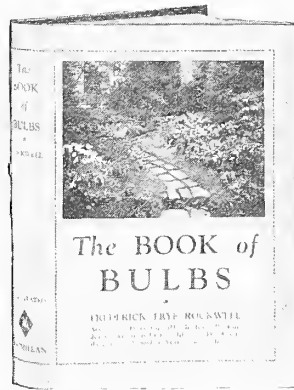
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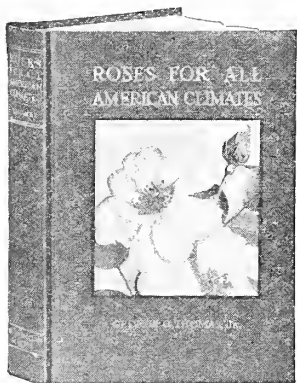
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BY JULIA H. CUMMINS

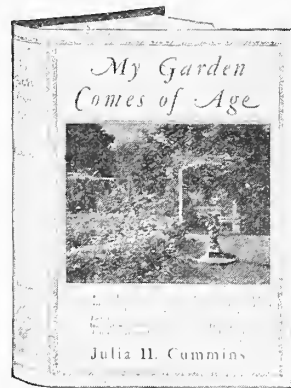
Mrs. Cummins writes of her own experiences of twenty-one years in developing a deserted farmstead into a comfortable and livable home indoors and out.

Outdoors, in the garden proper, she worked slowly but steadily. A chance gift of plants started the first flower bed. A border walk to the "woods" followed and after that came other beds and flower and vegetable gardens, bringing "The Cross-roads" to its present state of beauty.

As the garden idea develops with its paths, rose gardens, wild gardens, and vegetable gardens, the novitiate reader, starting, perhaps, with the same "utter ignorance" confessed to by the author, develops a sound sense of color schemes and proportions which will stand him in good stead in his own garden venture.

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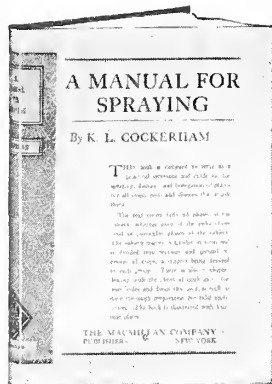
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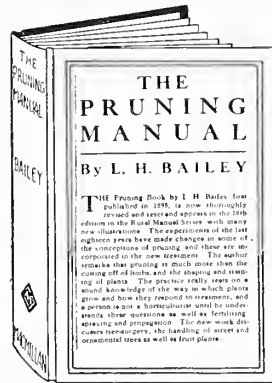
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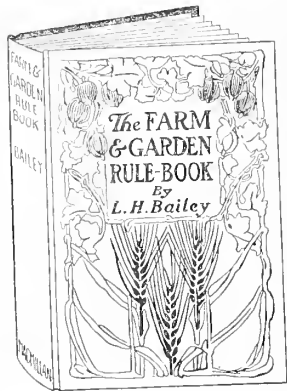
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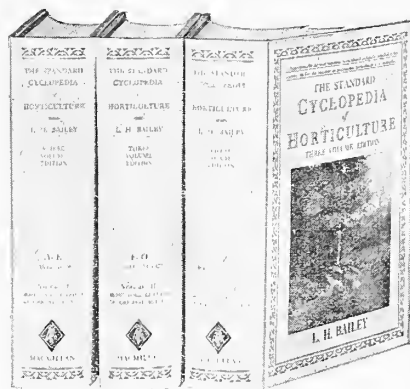
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